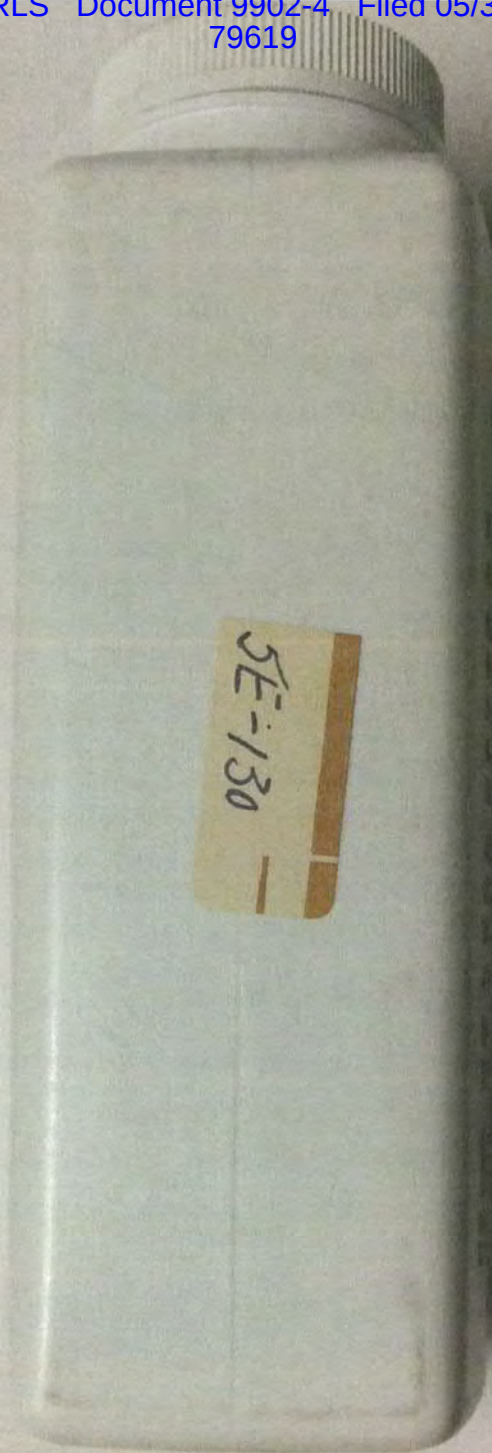
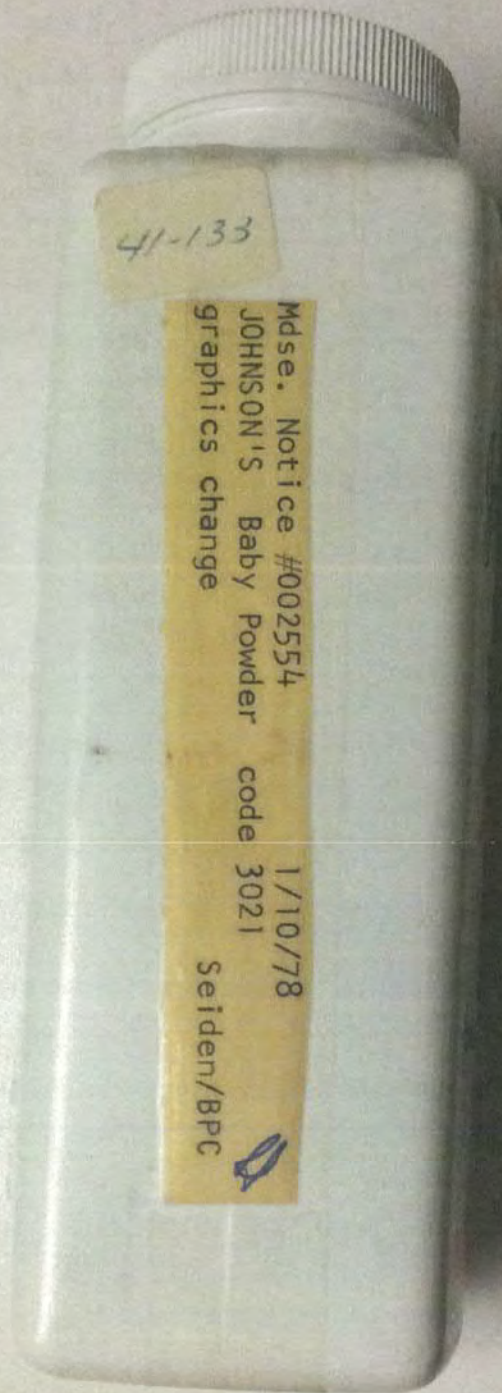


Exhibit 67-E



JBP213



41-133

Mdse. Notice #002554
JOHNSON'S Baby Powder
graphics change
code 3021
1/10/78
Seiden/BPC



TBP213

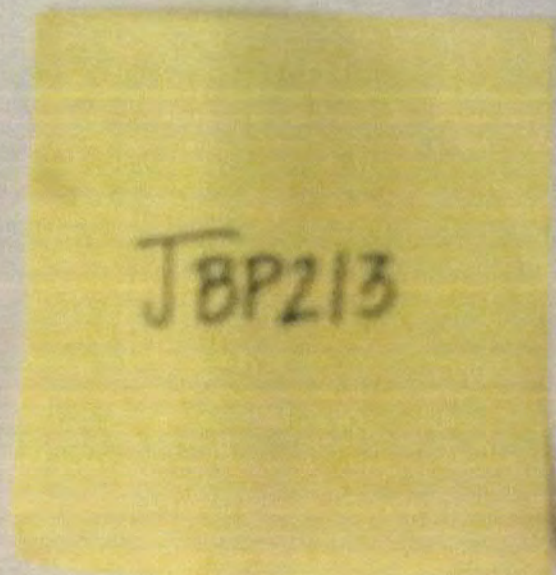
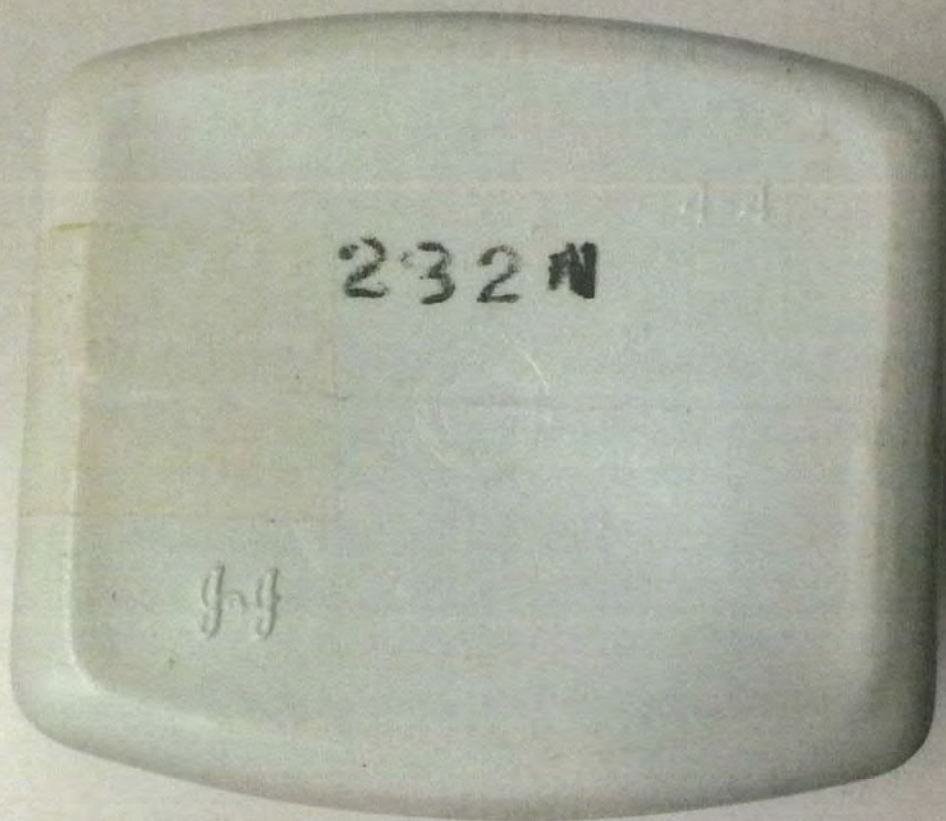


EXHIBIT E'

IN RE JOHNSON & JOHNSON TALCUM POWDER PRODUCTS
MARKETING, SALES PRACTICES, AND PRODUCTS LIABILITY LITIGATION
MDL NO. 16-2738 (FLW) (LHG)

JOINT CATALOGUE

LABORATORY CONTROL NO.	SAMPLE IDENTIFICATION NO.	LABEL ON ORIGINAL CONTAINER	DATE ON ORIGINAL CONTAINER	QUANTITY ON LABEL OF ORIGINAL CONTAINER	ACTUAL QUANTITY IN ORIGINAL CONTAINER	QUANTITY IN ORIGINAL CONTAINER OR NEW RECEIPTABLE AFTER DIVISION
20180056-34	JBP241	Johnson's baby powder	1978	4 oz.	~4.12 oz.	~2.08 oz.
20180056-34A						~0.12 oz.
20180056-34B						~1.46 oz.
20180056-34C						NOT USED
20180056-34D						~0.46 oz.

Observer for plaintiffs hereby acknowledges receipt of 20180056-34A, ~0.12 oz. (weight) of original Sample 20180056-34. # 20180056-34A will be held at the

H. Johnnie Dierckx
Observer for Plaintiffs
7/13/18
Date

Observer for plaintiffs hereby acknowledges receipt of 20180056-34D, ~0.46 oz. (weight) of original Sample 20180056-34. Laboratory until further arrangements for its delivery are made by the MDL PEC. AMK

H. Johnnie Dierckx
Observer for Plaintiffs
7/13/18
Date

Observer for defendants hereby acknowledges receipt of 20180056-34B, ~1.46 oz. (weight) of original Sample 20180056-34.

[Signature]
Observer for Defendants
7/13/18
Date

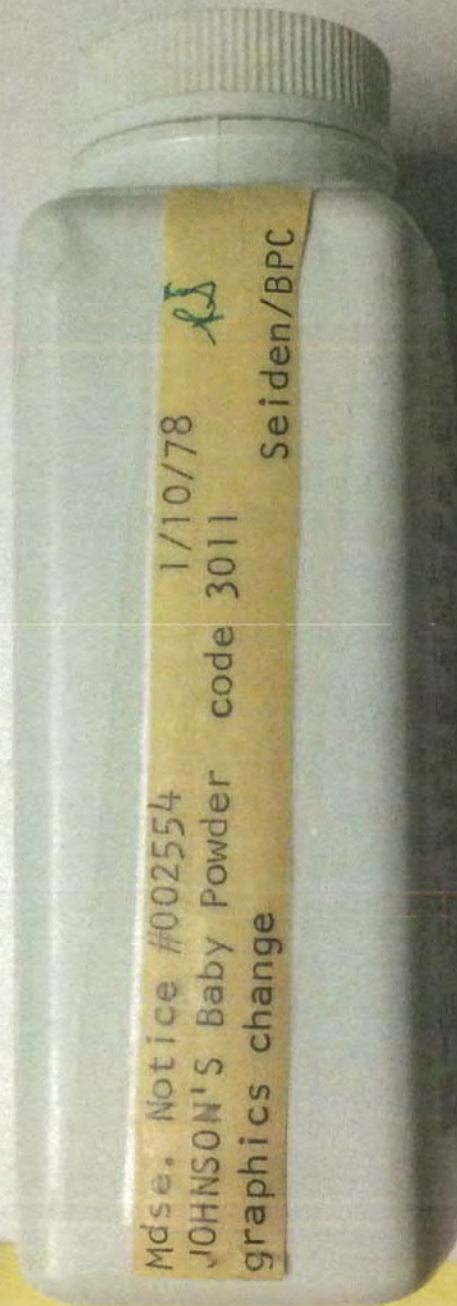
Laboratory technician hereby acknowledges that all remaining material from Sample 20180056-34 was (check one): ☒ replaced in its original container ☐ transferred to a new receptacle (20180056-34C).

Edna W. [Signature]
Laboratory Technician
13 Dec 2018
Date

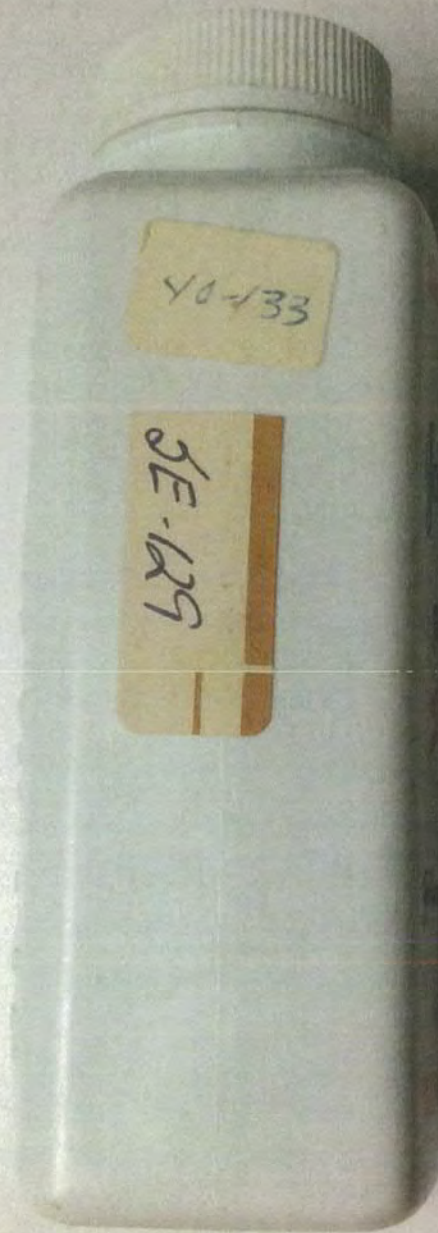
This form is an Exhibit to the Agreed Order and Stipulation Regarding the Johnson & Johnson Defendants' Production of Talcum Powder Products and Talc Samples ("Agreed Order"). Terms used herein have the same meaning as defined in the Agreed Order. The instant form has been adapted for use in connection with the division of Samples JBP092, JBP093, JBP110, JBP111, JBP188, JBP209, JBP213, JBP238, JBP241 and 2014.001.5102.



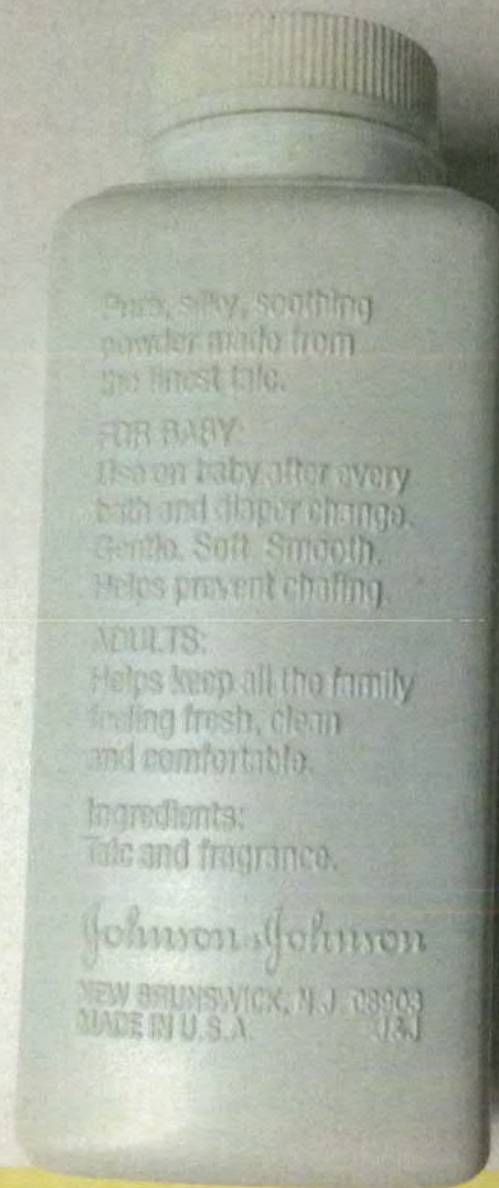
JBP241



JBP241



JBP241



TBP241



JBP241

EXHIBIT E¹

IN RE JOHNSON & JOHNSON TALCUM POWDER PRODUCTS
MARKETING, SALES PRACTICES, AND PRODUCTS LIABILITY LITIGATION
MDL NO. 16-2738 (FLW) (LHG)

JOINT CATALOGUE

LABORATORY CONTROL NO.	SAMPLE IDENTIFICATION NO.	LABEL ON ORIGINAL CONTAINER	DATE ON ORIGINAL CONTAINER	QUANTITY ON LABEL OF ORIGINAL CONTAINER	ACTUAL QUANTITY IN ORIGINAL CONTAINER	QUANTITY IN ORIGINAL CONTAINER OR NEW RECEPTACLE AFTER DIVISION
20180060-67	JBP110	Johnson's baby powder	1978	14 oz.	~14.05	~7.05 oz.
20180060-67A						~3.28 oz.
20180060-67B						~3.19 oz.
20180060-67C						NOT USED
20180060-67D						~0.53 oz.

Observer for plaintiffs hereby acknowledges receipt of 20180060-67A, ~3.28 oz. (weight) of original Sample 20180060-67. * 20180060-67A will be held at the

H. Johnson Drach
Observer for Plaintiffs

7/13/18
Date

Observer for plaintiffs hereby acknowledges receipt of 20180060-67D, ~0.53 oz. (weight) of original Sample 20180060-67. Laboratory until further arrangements for its delivery are made by the MDL REC

H. Johnson Drach
Observer for Plaintiffs

7/13/18
Date

Observer for defendants hereby acknowledges receipt of 20180060-67B, ~3.19 oz. (weight) of original Sample 20180060-67.

E. Johnson Drach
Observer for Defendants

7/13/18
Date

Laboratory technician hereby acknowledges that all remaining material from Sample 20180060-67 was

(check one): ☒ replaced in its original container ☐ transferred to a new receptacle (20180060-67C).

Ellen Drach
Laboratory Technician

13 Jul 2018
Date

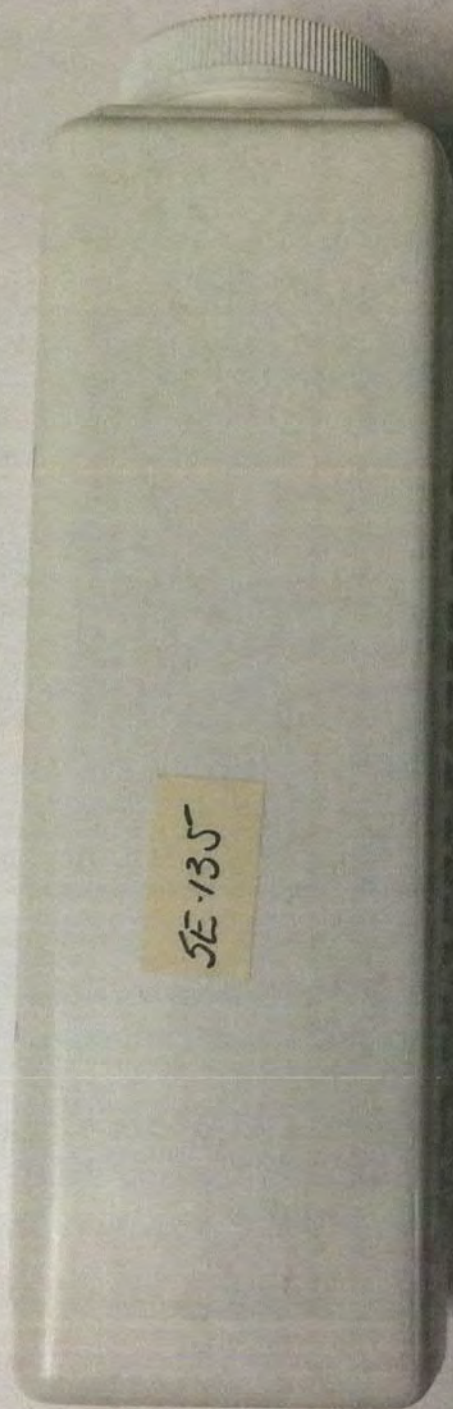
¹ This form is an Exhibit to the Agreed Order and Stipulation Regarding the Johnson & Johnson Defendants' Production of Talcum Powder Products and Talc Samples ("Agreed Order"). Terms used herein have the same meaning as defined in the Agreed Order. The instant form has been adapted for use in connection with the division of Samples JBP092, JBP093, JBP110, JBP111, JBP188, JBP209, JBP213, JBP238, JBP241 and 2014.001.5102.



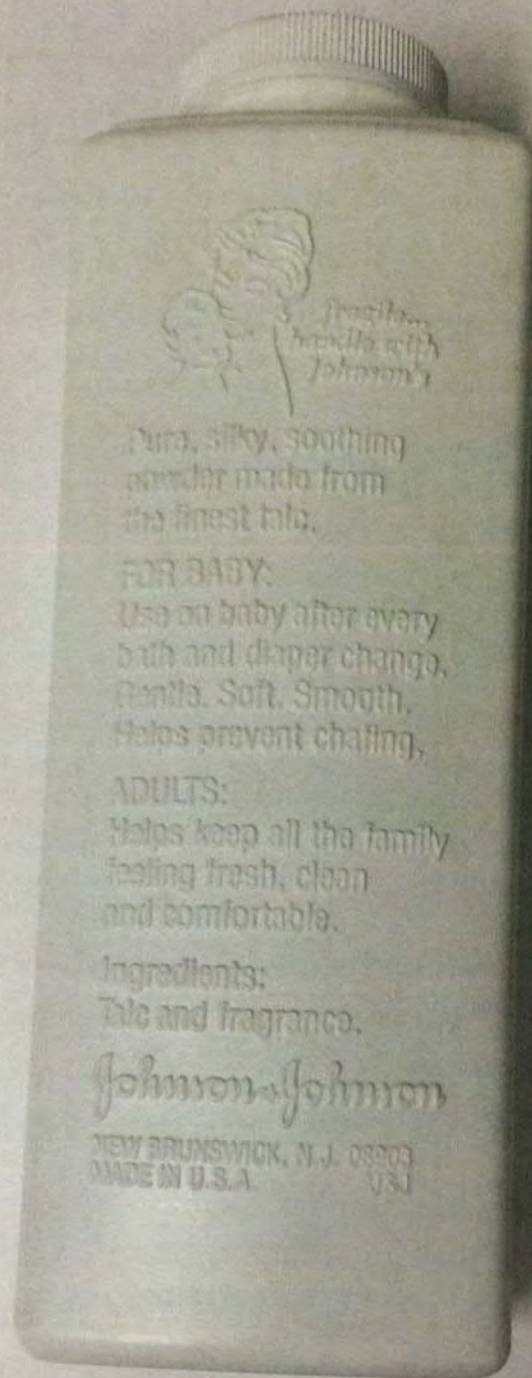
JBPI10

Mdse. Notice #002471
Johnson's Baby Powder
label change - Test
6/27/78
code 3-3025
~~X~~ Seiden/BPC

JBP110



JBP110



JBP110



JBPI10

Section 3

**MAS, LLC
PLM ANALYSIS**

Proj#-Spl# M68503 - 005ISO **Analyst** Paul Hess **Date** 10/28/2018
ClientName Dept 14 Environmental **ClientSpl** 2018-0056-30A
Location _____
Type_Mat Johnson's Baby Powder - Hospital Package Not For Resale
Gross Off-white powder **% of Sample** 100
Visual _____

OPTICAL DATA FOR ASBESTOS IDENTIFICATION

Morphology			
Pleochroism			
Refract Index			
Sign^			
Extinction			
Birefringence			
Melt			
Fiber Name			

ASBESTOS MINERALS

EST. VOL. %

NO ASBESTOS OBSERVED

Chrysotile.....
 Amosite.....
 Crocidolite.....
 Tremolite/Actinolite.....
 Anthophyllite.....

OTHER FIBROUS COMPONENTS

Talc -B/Y DS in 1.55

NON FIBROUS COMPONENTS

Opagues
 Talc
 Mineral grains

X
 X
 X

Binder Description

Comments X = Materials detected. *** Trace amount on fibrous Talc observed.

The method detection limit is 1% unless otherwise stated.

**MAS, LLC
PLM ANALYSIS**

Proj#-Spl# M68503 - 005BL1 **Analyst** Paul Hess **Date** 10/22/2018
ClientName Dept 14 Environmental **ClientSpl** 2018-0056-30A
Location _____
Type_Mat Johnson's Baby Powder - Hospital Package Not For Resale (60mg prep)
Gross White debris on slide **% of Sample** 100
Visual _____

OPTICAL DATA FOR ASBESTOS IDENTIFICATION

Morphology			
Pleochroism			
Refract Index			
Sign^			
Extinction			
Birefringence			
Melt			
Fiber Name			

ASBESTOS MINERALS

EST. VOL. %

NO ASBESTOS OBSERVED

Chrysotile.....
Amosite.....
Crocidolite.....
Tremolite/Actinolite.....
Anthophyllite.....

OTHER FIBROUS COMPONENTS

NON FIBROUS COMPONENTS

Opagues_____
Talc_____
Mineral grains_____

X_____
X_____
X_____

Binder Description _____

Comments X = Materials detected.

The method detection limit is 1% unless otherwise stated.

TEM Bulk Talc Structure Count Sheet						
Project/ Sample No.	M68503-005		Grid Box #	8632	No. of Grids Counted	2
Analyst:	Anthony Keeton			Length	Width	G. O. Area
Date of Analysis	10/30/2018 - 11/2/2018		G. O. in microns =	105	105	11025
Initial Weight(g)	0.02078			105	105	11025
Analysis Type	Post Separation Talc Analysis		Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
2	Screen Magnification	20 KX	Area Examined mm²			1.103

Str. #	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
NSD	D7-A1							
NSD	A2							
NSD	A3							
NSD	A4							
NSD	A5							
NSD	A6							
NSD	A7							
NSD	A8							
NSD	A9							
NSD	A10							
NSD	B1							
NSD	B2							
NSD	B3							
NSD	B4							
NSD	B5							
NSD	B6							
NSD	B7							
NSD	B8							
NSD	B9							
NSD	B10							
NSD	C1							
NSD	C2							
NSD	C3							
NSD	C4							
NSD	C5							
NSD	C6							
NSD	C7							
NSD	C8							
NSD	C9							
NSD	C10							
NSD	D1							
NSD	D2							
NSD	D3							
NSD	D4							
NSD	D5							
NSD	D6							
NSD	D7							
NSD	D8							
NSD	D9							
NSD	D10							
NSD	E1							
NSD	E2							
NSD	E3							
NSD	E4							
NSD	E5							
NSD	E6							
NSD	E7							
NSD	E8							
NSD	E9							
NSD	E10							

TEM Bulk Talc Structure Count Sheet						
Project/ Sample No.	M68503-005		Grid Box #	8632	No. of Grids Counted	2
Analyst:	Anthony Keeton			Length	Width	G. O. Area
Date of Analysis	10/30/2018 - 11/2/2018		G. O. in microns =	105	105	11025
Initial Weight(g)	0.02078			105	105	11025
Analysis Type	Post Separation Talc Analysis		Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
2	Screen Magnification	20 KX	Area Examined mm ²			1.103

Str. #	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
NSD	B1-A2							
NSD	A3							
NSD	A4							
NSD	A5							
NSD	A6							
NSD	A7							
NSD	A8							
NSD	A9							
NSD	A10							
NSD	B1							
NSD	B2							
NSD	B3							
NSD	B4							
NSD	B5							
NSD	B6							
NSD	B7							
NSD	B8							
NSD	B9							
NSD	B10							
NSD	C1							
NSD	C2							
NSD	C3							
NSD	C4							
NSD	C5							
NSD	C6							
NSD	C7							
NSD	C8							
NSD	D1							
NSD	D2							
NSD	D3							
NSD	D4							
NSD	D5							
NSD	D6							
NSD	D7							
NSD	D8							
NSD	D9							
NSD	D10							
NSD	E1							
NSD	E2							
NSD	E3							
NSD	E5							
NSD	E6							
NSD	E7							
NSD	E8							
NSD	E9							
NSD	E10							
NSD	F1							
NSD	F2							
NSD	F3							
NSD	F4							

TEM Bulk Talc Structure Count Sheet						
Project/ Sample No.	M68503-005		Grid Box #	8632	No. of Grids Counted	2
Analyst:	Anthony Keeton			Length	Width	G. O. Area
Date of Analysis	10/30/2018 - 11/2/2018		G. O. in microns =	105	105	11025
Initial Weight(g)	0.02078			105	105	11025
Analysis Type	Post Separation Talc Analysis		Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
2	Screen Magnification	20 KX	Area Examined mm²			1.103

Str. #	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
--------	--------------	-----------	------------------	--------	-------	-------	------	-----

Org. Sample Wt.	Sample Wt. Post HL Separation
0.02078	0.02078 g
Percent of Orig. Post Separation	100 (%)

Wt. Of Sample Analyzed	0.00011392 g
Filter size	201.1 mm ²
Number of Structures Counted	0 Str.
Structures per Gram of Sample	<8778 Str./g

Detection Limit	8.78E+03 Str./g
Analytical Sensitivity	8.78E+03 Str./g

TEM Bulk Talc Structure Count Sheet						
Project/ Sample No.	M68503-005		Grid Box #	8632	eqsyu	2
Analyst:	Anthony Keeton			Length	Width	G.O. Area
Date of Analysis	10/30/2018 - 11/2/2018		G. O. in microns =	105	105	105
Initial Weight(g)	0.02078			105	105	105
Analysis Type	Post Separation Talc Analysis		Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
2	Screen Magnification	20 KX	Area Examined mm²			1.103

Str. #	Grid Opening	Str./Asb. Type	Length	Width	Ratio	SAED	EDS
Talc #1	D7-A5	Fibrous Talc	46.3	3.5	13.2	Fibrous talc observed	

Section 4

**MAS, LLC
PLM ANALYSIS**

Proj#-Spl# M69042 - 009 Analyst Paul Hess Date 10/12/2018
 ClientName LEVY & KONIGSBERG ClientSpl 20180060-68D
 Location _____
 Type_Mat Johnson & Johnson Talcum Powder
 Gross Off-white powder % of Sample 100
 Visual _____

OPTICAL DATA FOR ASBESTOS IDENTIFICATION

Morphology	straight		
Pleochroism	none		
Refract Index	1.625/1.610		
Sign^	positive		
Extinction	oblique		
Birefringence	moderate		
Melt	no		
Fiber Name	Tremolite/Actinolite		

ASBESTOS MINERALS

EST. VOL. %

Chrysotile.....
 Amosite.....
 Crocidolite.....
 Tremolite/Actinolite..... < 0.1
 Anthophyllite.....

OTHER FIBROUS COMPONENTS

Talc -B/Y DS in 1.55 ***

NON FIBROUS COMPONENTS

Opagues X
 Talc X
 Mineral grains X

Binder Description _____

Comments Actinolite/Tremolite asbestos observed. *** Moderate amount Fibrous talc observed.
X=Materials Detected.

The method detection limit is 1% unless otherwise stated.

**MAS, LLC
PLM ANALYSIS**

Proj#-Spl# M69042 - 009BL Analyst Paul Hess Date 10/15/2018
ClientName LEVY & KONIGSBERG ClientSpl 20180060-68D
Location _____
Type_Mat Johnson & Johnson Talcum Powder
Gross White debris on slide % of Sample 100
Visual _____

OPTICAL DATA FOR ASBESTOS IDENTIFICATION

Morphology			
Pleochroism			
Refract Index			
Sign^			
Extinction			
Birefringence			
Melt			
Fiber Name			

ASBESTOS MINERALS

EST. VOL. %

NO ASBESTOS OBSERVED

Chrysotile.....
Amosite.....
Crocidolite.....
Tremolite/Actinolite.....
Anthophyllite.....

OTHER FIBROUS COMPONENTS

NON FIBROUS COMPONENTS

Opagues	X
Talc	X
Mineral grains	X

Binder Description _____

Comments X = Materials detected.

The method detection limit is 1% unless otherwise stated.



A polarized light micrograph showing a dense collection of elongated, needle-shaped mineral crystals (actinolite and tremolite) dispersed in a dark matrix. The crystals exhibit characteristic double refraction, appearing as bright, multi-colored streaks. A scale bar is present in the center-left area.

43.8um

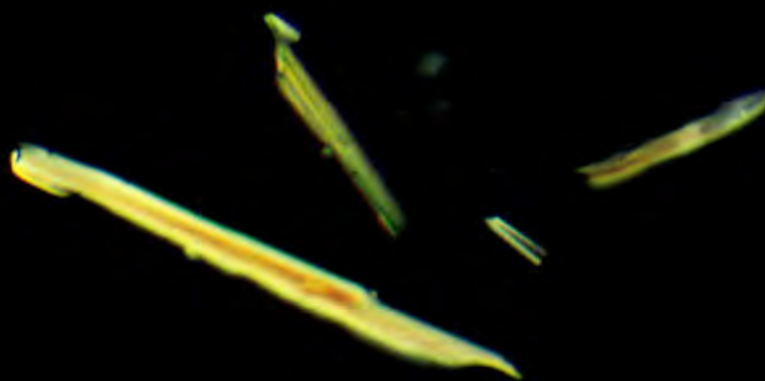
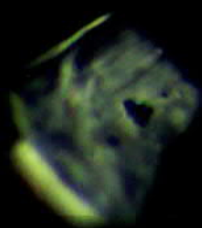
M69042-009-001 Actinolite/Tremolite Parallel Dispersion 1.605 R.I. @ 100X



M69042-009-001 Actinolite/Tremolite Perpendicular Dispersion



M69042-009-001 Actinolite/Tremolite Elongation @ 200X



M69042-009-001 Actinolite/Tremolite Crossed Polars

TEM Bulk Talc Structure Count Sheet						
Project/ Sample No.	M69042-009		Grid Box #	8633	No. of Grids Counted	2
Analyst:	Jayme Callan			Length	Width	G. O. Area
Date of Analysis	10/18/2018		G. O. in microns =	105	105	11025
Initial Weight(g)	0.02863			105	105	11025
Analysis Type	Post Separation Talc Analysis		Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
3	Screen Magnification	20 KX	Area Examined mm²			1.103

Str. #	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
NSD	B6-A1							
NSD	A2							
NSD	A3							
NSD	A4							
NSD	A5							
NSD	A6							
NSD	A7							
NSD	A8							
NSD	B1							
NSD	B2							
NSD	B3							
NSD	B4							
NSD	B5							
NSD	B6							
NSD	B7							
NSD	B8							
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NSD	F3							
NSD	F4							
NSD	F5							
NSD	F6							
NSD	F7							
NSD	F8							
NSD	G1							
NSD	G2							
NSD	G3							

TEM Bulk Talc Structure Count Sheet						
Project/ Sample No.	M69042-009		Grid Box #	8633	No. of Grids Counted	2
Analyst:	Jayme Callan			Length	Width	G. O. Area
Date of Analysis	10/18/2018		G. O. in microns =	105	105	11025
Initial Weight(g)	0.02863			105	105	11025
Analysis Type	Post Separation Talc Analysis		Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
3	Screen Magnification	20 KX	Area Examined mm²			1.103

Str. #	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
NSD	D1-A1							
NSD	A2							
NSD	A4							
NSD	A7							
NSD	A8							
NSD	A9							
NSD	A10							
NSD	B1							
NSD	B2							
NSD	B3							
NSD	B4							
NSD	B5							
NSD	B6							
NSD	B7							
NSD	B8							
NSD	B9							
NSD	B10							
NSD	C1							
NSD	C2							
NSD	C3							
NSD	C4							
NSD	C5							
NSD	C6							
NSD	C7							
NSD	C8							
NSD	C9							
NSD	C10							
NSD	D1							
NSD	D3							
NSD	D4							
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NSD	D7							
NSD	D8							
NSD	D9							
NSD	D10							
NSD	E1							
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NSD	E3							
NSD	E4							
NSD	E5							
NSD	E6							
NSD	E7							
NSD	E8							
NSD	E9							
NSD	E10							
NSD	F1							
NSD	F2							
NSD	F4							
NSD	F6							

TEM Bulk Talc Structure Count Sheet						
Project/ Sample No.	M69042-009		Grid Box #	8633	No. of Grids Counted	2
Analyst:	Jayme Callan			Length	Width	G. O. Area
Date of Analysis	10/18/2018		G. O. in microns =	105	105	11025
Initial Weight(g)	0.02863			105	105	11025
Analysis Type	Post Separation Talc Analysis		Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
3	Screen Magnification	20 KX	Area Examined mm²			1.103

Str. #	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
--------	--------------	-----------	------------------	--------	-------	-------	------	-----

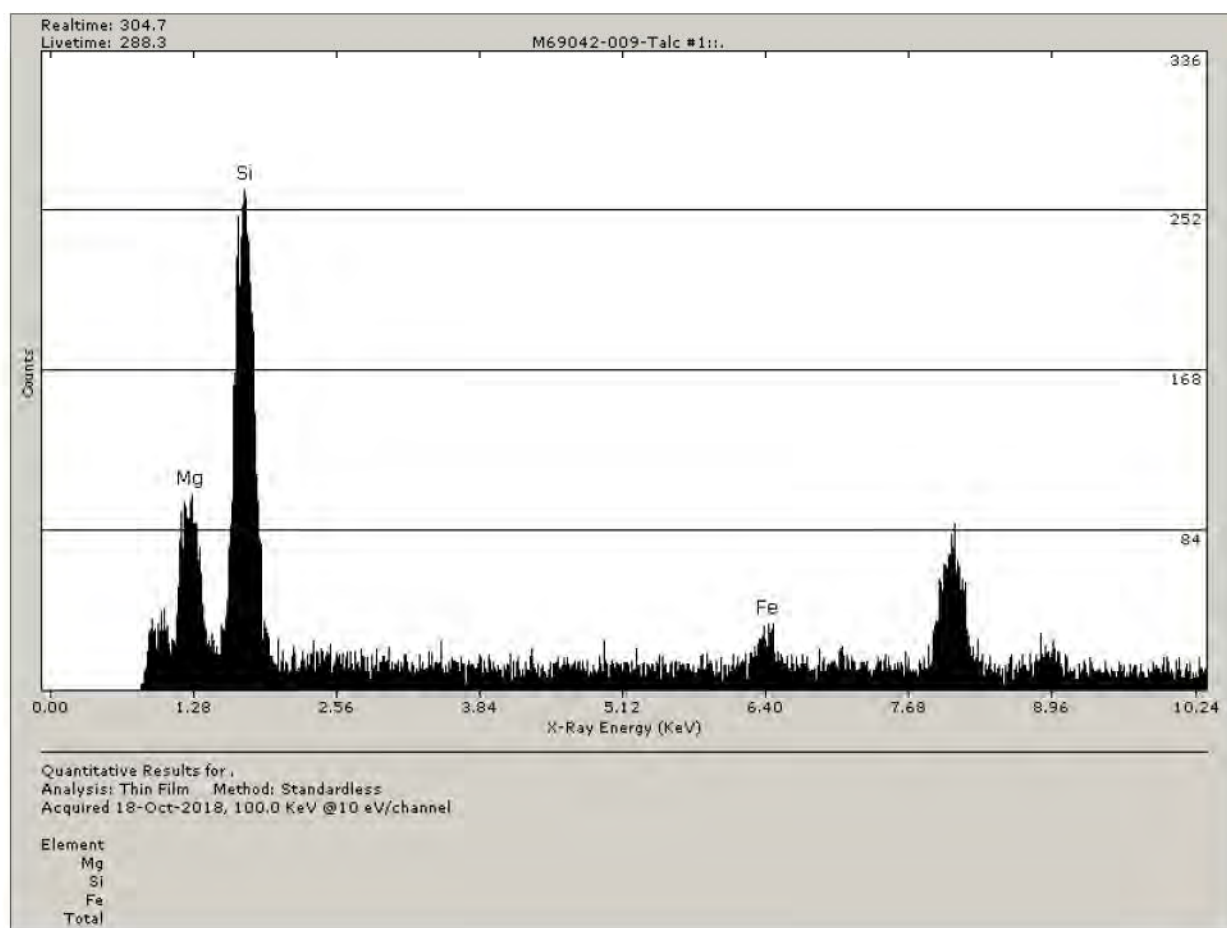
Org. Sample Wt.	Sample Wt. Post HL Separation
0.02863	0.02863 g
Percent of Orig. Post Separation	100 (%)

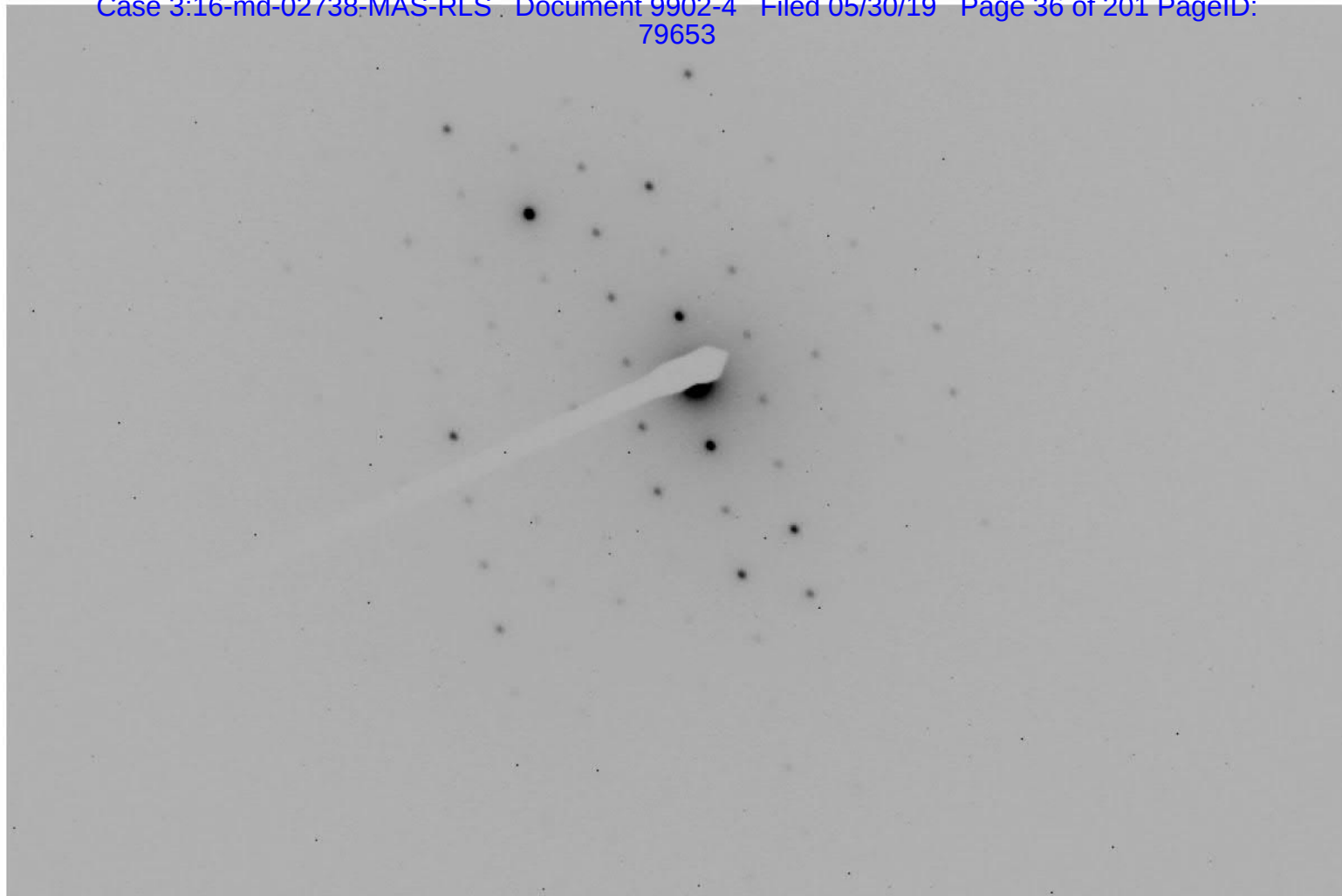
Wt. Of Sample Analyzed	0.00015696 g
Filter size	201.1 mm ²
Number of Structures Counted	0 Str.
Structures per Gram of Sample	<6371 Str./g

Detection Limit	6.37E+03 Str./g
Analytical Sensitivity	6.37E+03 Str./g

TEM Bulk Talc Structure Count Sheet						
Project/ Sample No.	M69042-009		Grid Box #	8633	No. of Grids Counted	2
Analyst:	Jayme Callan			Length	Width	G.O. Area
Date of Analysis	10/18/2018		G. O. in microns =	105	105	105
Initial Weight(g)	0.02863			105	105	105
Analysis Type	Post Separation Talc Analysis		Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
3	Screen Magnification	20 KX	Area Examined mm²			1.103

Str. #	Grid Opening	Str./Asb. Type	Length	Width	Ratio	SAED	EDS
Talc #1	D1-E4	Fibrous Talc	5.9	0.74	8.0	Fibrous talc observed Trace throughout	

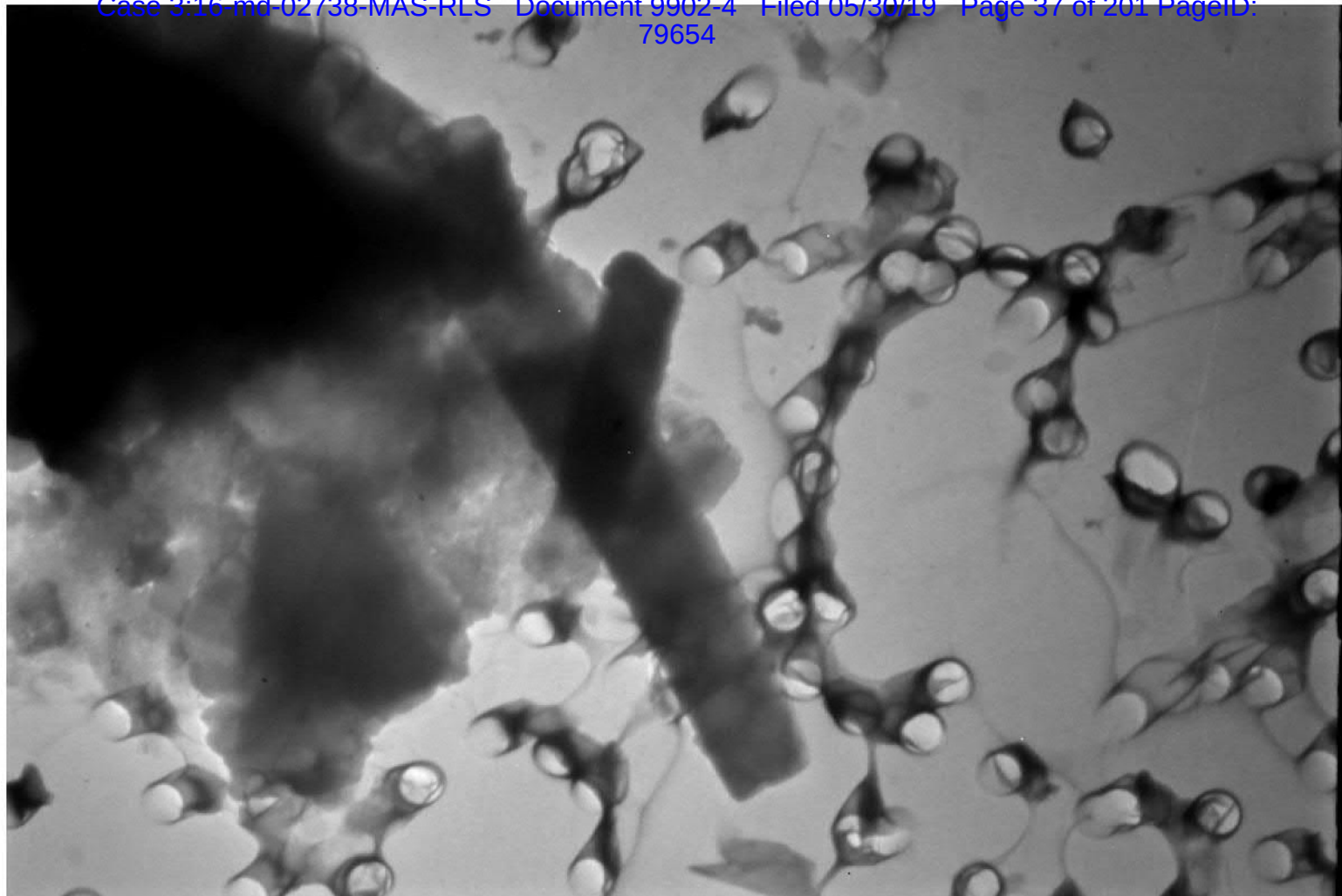




310440

M69042-009-Talc #1 Diffraction @ 50cm

10/18/2018



310443

M69042-009-Talc #1 (5.9 um x 0.74 um)

10/18/2018

Section 5

**MAS, LLC
PLM ANALYSIS**

Proj#-Spl# M68503 - 029ISO **Analyst** Paul Hess **Date** 10/28/2018
ClientName Dept 14 Environmental **ClientSpl** 2018-0061-17A
Location _____
Type_Mat Shower to Shower Body Powder
Gross Off-white powder **% of Sample** 100
Visual _____

OPTICAL DATA FOR ASBESTOS IDENTIFICATION

Morphology			
Pleochroism			
Refract Index			
Sign^			
Extinction			
Birefringence			
Melt			
Fiber Name			

ASBESTOS MINERALS

EST. VOL. %

NO ASBESTOS OBSERVED

Chrysotile.....
 Amosite.....
 Crocidolite.....
 Tremolite/Actinolite.....
 Anthophyllite.....

OTHER FIBROUS COMPONENTS

Talc -B/Y DS in 1.55

NON FIBROUS COMPONENTS

Opagues
 Talc
 Mineral grains

X
 X
 X

Binder Description

Comments X = Materials detected. *** Trace amount of fibrous Talc observed.

The method detection limit is 1% unless otherwise stated.

**MAS, LLC
PLM ANALYSIS**

Proj#-Spl# M68503 - 029BL1 **Analyst** Paul Hess **Date** 10/23/2018
ClientName Dept 14 Environmental **ClientSpl** 2018-0061-17A
Location _____
Type_Mat Shower to Shower Body Powder (100mg prep)
Gross White debris on slide **% of Sample** 100
Visual _____

OPTICAL DATA FOR ASBESTOS IDENTIFICATION

Morphology			
Pleochroism			
Refract Index			
Sign^			
Extinction			
Birefringence			
Melt			
Fiber Name			

ASBESTOS MINERALS

EST. VOL. %

NO ASBESTOS OBSERVED

Chrysotile.....
Amosite.....
Crocidolite.....
Tremolite/Actinolite.....
Anthophyllite.....

OTHER FIBROUS COMPONENTS

NON FIBROUS COMPONENTS

Opagues
Talc
Mineral grains

X
X
X

Binder Description

Comments X = Materials detected.

The method detection limit is 1% unless otherwise stated.

TEM Bulk Talc Structure Count Sheet						
Project/ Sample No.	M68503-029		Grid Box #	8637	No. of Grids Counted	2
Analyst:	Mehrdad Motamedi			Length	Width	G. O. Area
Date of Analysis	10/28/2018-10/29/2018		G. O. in microns =	105	105	11025
Initial Weight(g)	0.02167			105	105	11025
Analysis Type	Post Separation Talc Analysis		Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
4	Screen Magnification	20 KX	Area Examined mm²			1.103

Str. #	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
NSD	A10-A1							
NSD	A2							
NSD	A3							
NSD	A4							
NSD	A5							
NSD	A6							
NSD	A7							
NSD	A8							
NSD	A9							
NSD	A10							
NSD	B1							
NSD	B2							
NSD	B3							
NSD	B4							
NSD	B5							
NSD	B6							
NSD	B7							
NSD	B8							
NSD	B9							
NSD	B10							
NSD	C1							
NSD	C2							
NSD	C3							
NSD	C4							
NSD	C5							
NSD	C6							
NSD	C7							
NSD	C8							
NSD	C9							
NSD	C10							
NSD	D1							
NSD	D2							
NSD	D3							
NSD	D4							
NSD	D5							
NSD	D6							
NSD	D7							
NSD	D8							
NSD	D9							
NSD	D10							
NSD	E1							
NSD	E2							
NSD	E3							
NSD	E4							
NSD	E5							
NSD	E6							
NSD	E7							
NSD	E8							
NSD	E9							
NSD	E10							

TEM Bulk Talc Structure Count Sheet						
Project/ Sample No.	M68503-029		Grid Box #	8637	No. of Grids Counted	2
Analyst:	Mehrdad Motamedi			Length	Width	G. O. Area
Date of Analysis	10/28/2018-10/29/2018		G. O. in microns =	105	105	11025
Initial Weight(g)	0.02167			105	105	11025
Analysis Type	Post Separation Talc Analysis		Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
4	Screen Magnification	20 KX	Area Examined mm²			1.103

Str. #	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
NSD	A9-J1							
NSD	J2							
NSD	J3							
NSD	J4							
NSD	J5							
NSD	J6							
NSD	J7							
NSD	J8							
NSD	J9							
NSD	J10							
NSD	I1							
NSD	I2							
NSD	I3							
NSD	I4							
NSD	I5							
NSD	I6							
NSD	I7							
NSD	I8							
NSD	I9							
NSD	I10							
NSD	H1							
NSD	H2							
NSD	H3							
NSD	H4							
NSD	H5							
NSD	H6							
NSD	H7							
NSD	H8							
NSD	H9							
NSD	H10							
NSD	G1							
NSD	G2							
NSD	G3							
NSD	G4							
NSD	G5							
NSD	G6							
NSD	G7							
NSD	G8							
NSD	G9							
NSD	G10							
NSD	F1							
NSD	F2							
NSD	F3							
NSD	F4							
NSD	F5							
NSD	F6							
NSD	F7							
NSD	F8							
NSD	F9							
NSD	F10							

TEM Bulk Talc Structure Count Sheet						
Project/ Sample No.	M68503-029		Grid Box #	8637	No. of Grids Counted	2
Analyst:	Mehrdad Motamedi			Length	Width	G. O. Area
Date of Analysis	10/28/2018-10/29/2018		G. O. in microns =	105	105	11025
Initial Weight(g)	0.02167			105	105	11025
Analysis Type	Post Separation Talc Analysis		Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
4	Screen Magnification	20 KX	Area Examined mm²			1.103

Str. #	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
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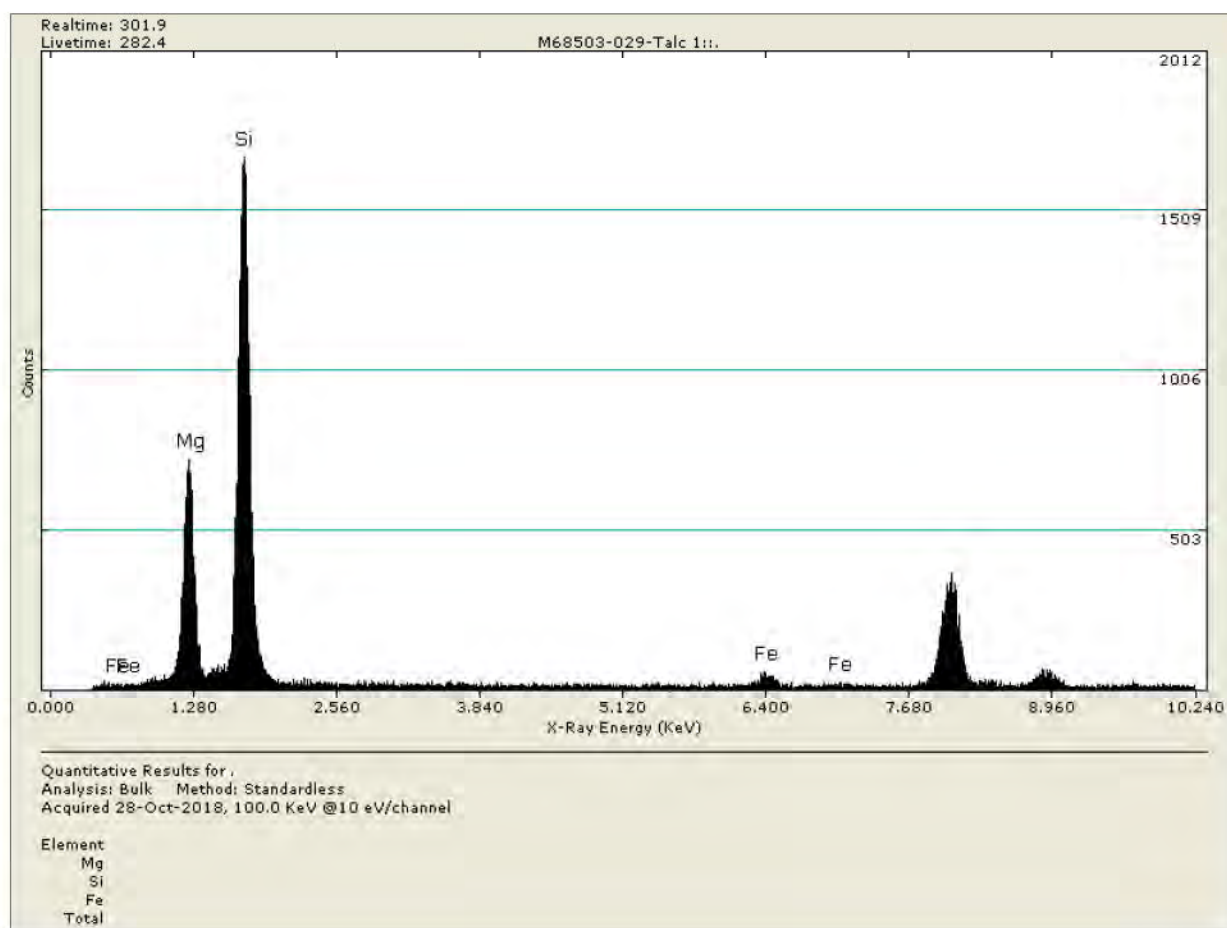
	Sample Wt.	
Org. Sample Wt.	Post HL Separation	
0.02167	0.02167	g
Percent of Orig. Post Separation	100	(%)

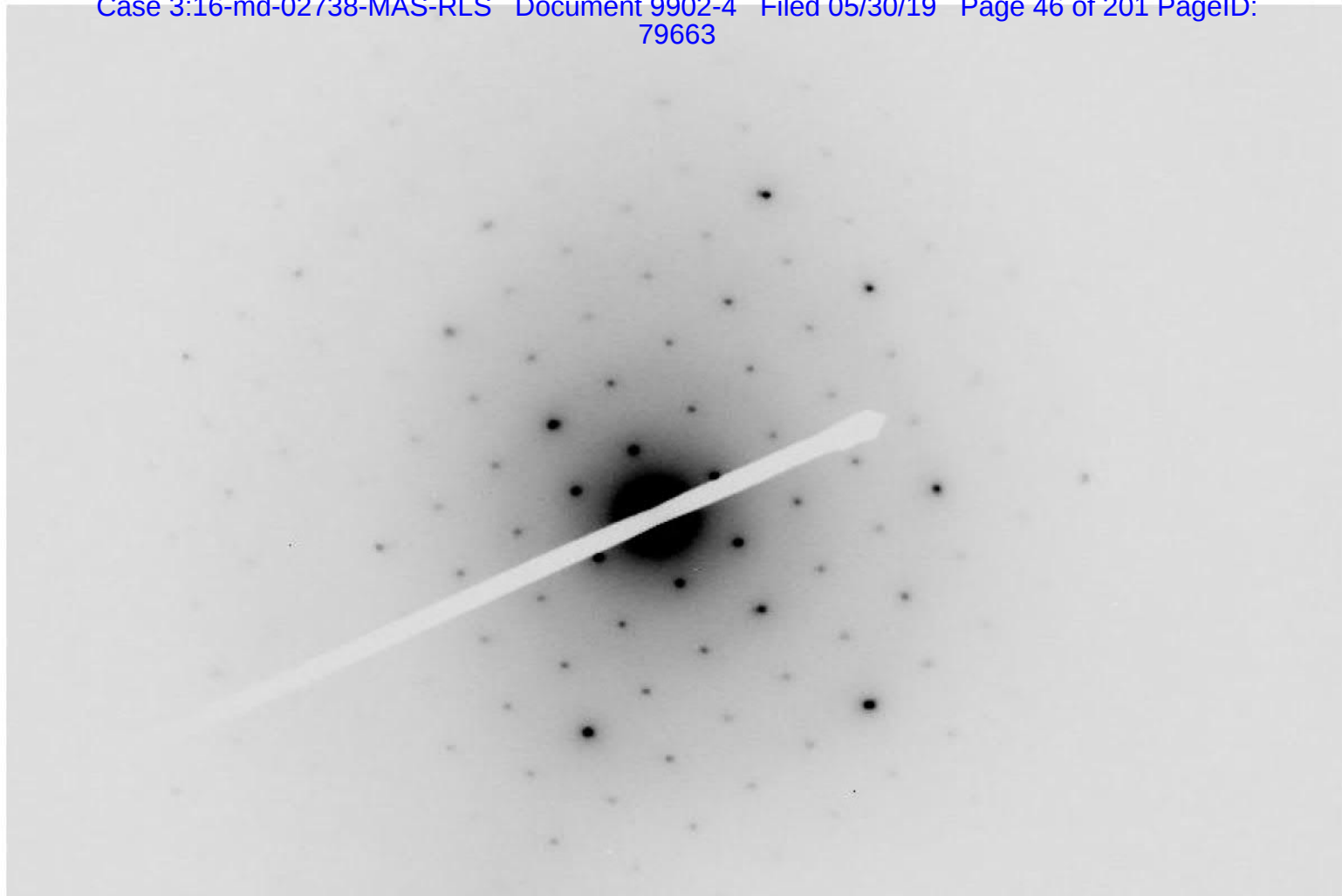
Wt. Of Sample Analyzed	0.00011880	g
Filter size	201.1	mm²
Number of Structures Counted	0	Str.
Structures per Gram of Sample	<8417	Str./g

Detection Limit	8.42E+03	Str./g
Analytical Sensitivity	8.42E+03	Str./g

TEM Bulk Talc Structure Count Sheet						
Project/ Sample No.	M68503-029		Grid Box #	8637	No. of Grids Counted	2
Analyst:	Mehrdad Motamedi			Length	Width	G.O. Area
Date of Analysis	10/28/2018		G. O. in microns =	105	105	105
Initial Weight(g)	0.02167			105	105	105
Analysis Type	Post Separation Talc Analysis		Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
4	Screen Magnification	20 KX	Area Examined mm ²			1.103

Str. #	Grid Opening	Str./Asb. Type	Length	Width	Ratio	SAED	EDS
Talc 1	A10-B2	Fibrous Talc	18	1.4	12.9	Fibrous Talc Observed Trace throughout	

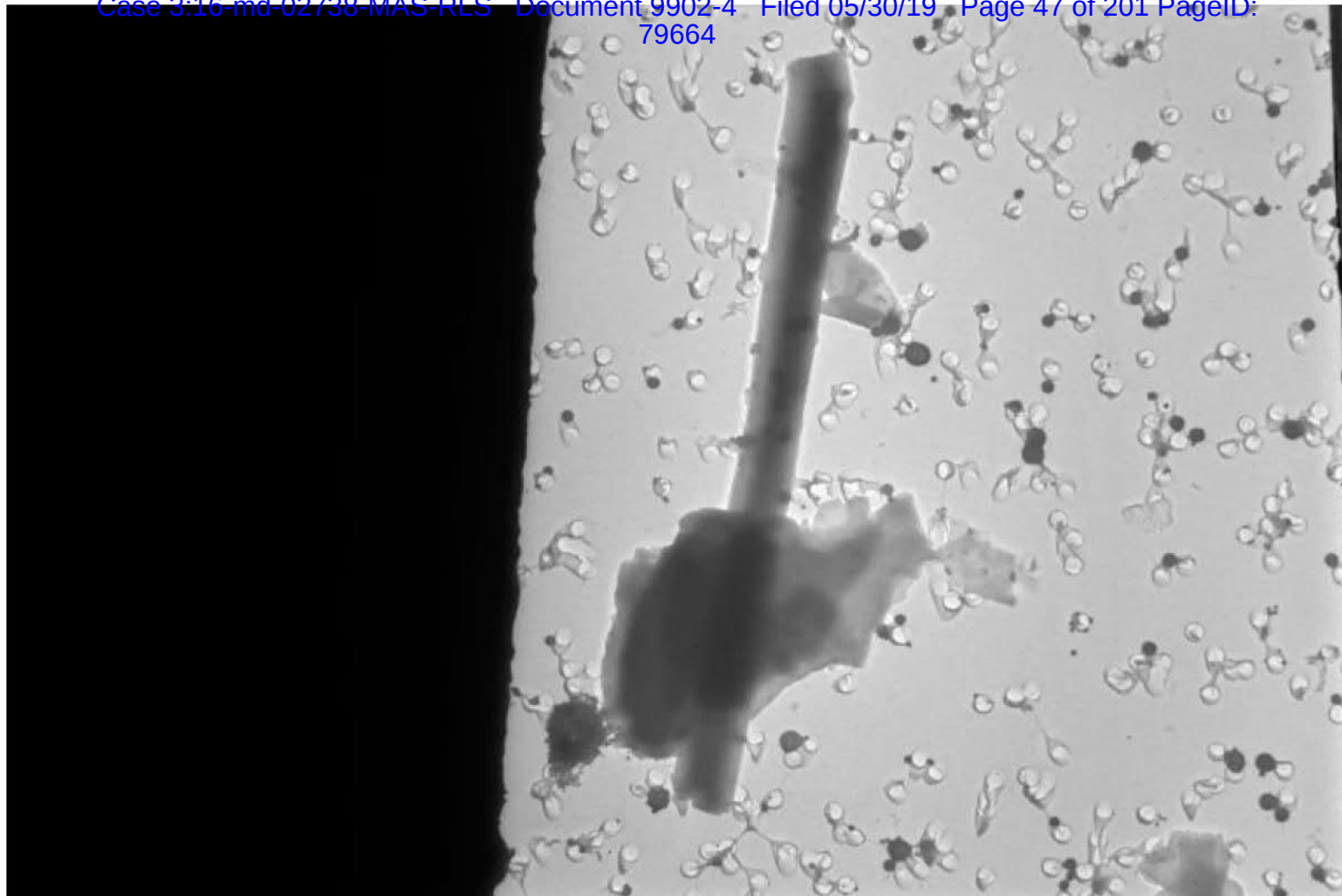




41355

M68503-029-Talc 1 Diffraction @ 50cm

10/28/2018



41356

M68503-029-Talc 1 (18.0um x 1.4um)

10/28/2018

Section 6

**MAS, LLC
PLM ANALYSIS**

Proj#-Spl# M68503 - 021ISO **Analyst** Paul Hess **Date** 10/28/2018
ClientName Dept 14 Environmental **ClientSpl** 2018-0060-54A
Location _____
Type_Mat Johnson's Baby Powder
Gross Off-white powder **% of Sample** 100
Visual _____

OPTICAL DATA FOR ASBESTOS IDENTIFICATION

Morphology			
Pleochroism			
Refract Index			
Sign^			
Extinction			
Birefringence			
Melt			
Fiber Name			

ASBESTOS MINERALS

EST. VOL. %

NO ASBESTOS OBSERVED

Chrysotile.....
Amosite.....
Crocidolite.....
Tremolite/Actinolite.....
Anthophyllite.....

OTHER FIBROUS COMPONENTS

Talc -B/Y DS in 1.55

NON FIBROUS COMPONENTS

Opagues

X

Talc

X

Mineral grains

X

Binder Description

Comments X = Materials detected. *** Trace amount of fibrous Talc observed.

The method detection limit is 1% unless otherwise stated.

**MAS, LLC
PLM ANALYSIS**

Proj#-Spl# M68503 - 021BL1 **Analyst** Paul Hess **Date** 10/24/2018
ClientName Dept 14 Environmental **ClientSpl** 2018-0060-54A
Location _____
Type_Mat Johnson's Baby Powder (100mg prep)
Gross White debris on slide **% of Sample** 100
Visual _____

OPTICAL DATA FOR ASBESTOS IDENTIFICATION

Morphology			
Pleochroism			
Refract Index			
Sign^			
Extinction			
Birefringence			
Melt			
Fiber Name			

ASBESTOS MINERALS

EST. VOL. %

NO ASBESTOS OBSERVED

Chrysotile.....
 Amosite.....
 Crocidolite.....
 Tremolite/Actinolite.....
 Anthophyllite.....

OTHER FIBROUS COMPONENTS

NON FIBROUS COMPONENTS

 Opaques
 Talc
 Mineral grains

 X
 X
 X

Binder Description

Comments X = Materials detected.

The method detection limit is 1% unless otherwise stated.

TEM Bulk Talc Structure Count Sheet						
Project/ Sample No.	M68503-021		Grid Box #	8637	No. of Grids Counted	2
Analyst:	Jayme Callan			Length	Width	G. O. Area
Date of Analysis	10/31/2018 - 11/1/2018		G. O. in microns =	105	105	11025
Initial Weight(g)	0.03082			105	105	11025
Analysis Type	Post Separation Talc Analysis		Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	15%	G.O.s Counted	100
3	Screen Magnification	20 KX	Area Examined mm²			1.103

Str. #	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
NSD	D10-A1							
NSD	A2							
NSD	A3							
NSD	A4							
NSD	A5							
NSD	A6							
NSD	A7							
NSD	A8							
NSD	A9							
NSD	A10							
NSD	B1							
NSD	B2							
NSD	B3							
NSD	B4							
NSD	B5							
NSD	B6							
NSD	B7							
NSD	B8							
NSD	B9							
NSD	B10							
NSD	C1							
NSD	C2							
NSD	C3							
NSD	C4							
NSD	C5							
NSD	C6							
NSD	C7							
NSD	C8							
NSD	C9							
NSD	C10							
NSD	D1							
NSD	D2							
NSD	D3							
NSD	D4							
NSD	D5							
NSD	D6							
NSD	D7							
NSD	D8							
NSD	D9							
NSD	D10							
NSD	E1							
NSD	E2							
NSD	E3							
NSD	E4							
NSD	E5							
NSD	E6							
NSD	E7							
NSD	E8							
NSD	E9							
NSD	E10							

TEM Bulk Talc Structure Count Sheet						
Project/ Sample No.	M68503-021		Grid Box #	8637	No. of Grids Counted	2
Analyst:	Jayme Callan			Length	Width	G. O. Area
Date of Analysis	10/31/2018 - 11/1/2018		G. O. in microns =	105	105	11025
Initial Weight(g)	0.03082			105	105	11025
Analysis Type	Post Separation Talc Analysis		Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	15%	G.O.s Counted	100
3	Screen Magnification	20 KX	Area Examined mm²			1.103

Str. #	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
NSD	D8-A1							
NSD	A2							
NSD	A3							
NSD	A4							
NSD	A5							
NSD	A6							
NSD	A7							
NSD	A8							
NSD	A9							
NSD	A10							
NSD	B1							
NSD	B2							
NSD	B3							
NSD	B4							
NSD	B5							
NSD	B6							
NSD	B7							
NSD	B8							
NSD	B9							
NSD	B10							
NSD	C1							
NSD	C2							
NSD	C3							
NSD	C4							
NSD	C5							
NSD	C6							
NSD	C7							
NSD	C8							
NSD	C9							
NSD	D1							
NSD	D2							
NSD	D3							
NSD	D4							
NSD	D5							
NSD	D6							
NSD	D7							
NSD	D8							
NSD	D9							
NSD	E1							
NSD	E2							
NSD	E3							
NSD	E4							
NSD	E5							
NSD	E6							
NSD	E7							
NSD	E8							
NSD	E9							
NSD	F1							
NSD	F2							
NSD	F3							

TEM Bulk Talc Structure Count Sheet						
Project/ Sample No.	M68503-021		Grid Box #	8637	No. of Grids Counted	2
Analyst:	Jayme Callan			Length	Width	G. O. Area
Date of Analysis	10/31/2018 - 11/1/2018		G. O. in microns =	105	105	11025
Initial Weight(g)	0.03082			105	105	11025
Analysis Type	Post Separation Talc Analysis		Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	15%	G.O.s Counted	100
3	Screen Magnification	20 KX	Area Examined mm²			1.103

Str. #	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
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Org. Sample Wt.	Sample Wt. Post HL Separation
0.03082	0.03082 g
Percent of Orig. Post Separation	100 (%)

Wt. Of Sample Analyzed	0.00016897 g
Filter size	201.1 mm²
Number of Structures Counted	0 Str.
Structures per Gram of Sample	<5918 Str./g

Detection Limit	5.92E+03 Str./g
Analytical Sensitivity	5.92E+03 Str./g

TEM Bulk Talc Structure Count Sheet						
Project/ Sample No.	M68503-021		Grid Box #	8637	No. of Grids Counted	2
Analyst:	Jayme Callan			Length	Width	G.O. Area
Date of Analysis	10/31/2018 - 11/1/2018		G. O. in microns =	105	105	105
Initial Weight(g)	0.03082			105	105	105
Analysis Type	Post Separation Talc Analysis		Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	15%	G.O.s Counted	100
3	Screen Magnification	20 KX	Area Examined mm ²			1.103

Str. #	Grid Opening	Str./Asb. Type	Length	Width	Ratio	SAED	EDS
NSD	D10-A1					No fibrous talc observed	

Section 7

**MAS, LLC
PLM ANALYSIS**

Proj#-Spl# M68503 - 023ISO **Analyst** Paul Hess **Date** 10/28/2018
ClientName Dept 14 Environmental **ClientSpl** 2018-0060-64A
Location _____
Type_Mat Johnson's Baby Powder
Gross Off-white powder **% of Sample** 100
Visual _____

OPTICAL DATA FOR ASBESTOS IDENTIFICATION

Morphology	<u>straight</u>		
Pleochroism	<u>none</u>		
Refract Index	<u>1.630/1.618</u>		
Sign^	<u>positive</u>		
Extinction	<u>parallel</u>		
Birefringence	<u>medium</u>		
Melt	<u>no</u>		
Fiber Name	<u>Anthophyllite</u>		

ASBESTOS MINERALS

EST. VOL. %

Chrysotile.....
Amosite.....
Crocidolite.....
Tremolite/Actinolite.....
Anthophyllite..... < 0.1

OTHER FIBROUS COMPONENTS

Talc -B/Y DS in 1.55 ***

NON FIBROUS COMPONENTS

Opagues X
Talc X
Mineral grains X

Binder Description _____

Comments Anthophyllite asbestos observed. Anthophyllite and Actinolite/Tremolite cleavage fragments/particles exhibiting <3-1 length to width ratio observed. *** Trace amount of fibrous Talc observed. X=Materials Detected.

The method detection limit is 1% unless otherwise stated.

**MAS, LLC
PLM ANALYSIS**

Proj#-Spl# M68503 - 023BL1 **Analyst** Paul Hess **Date** 10/25/2018
ClientName Dept 14 Environmental **ClientSpl** 2018-0060-64A
Location _____
Type_Mat Johnson's Baby Powder (100mg prep)
Gross White debris on slide **% of Sample** 100
Visual _____

OPTICAL DATA FOR ASBESTOS IDENTIFICATION

Morphology	straight		
Pleochroism	none		
Refract Index	1.635/1.620		
Sign^	positive		
Extinction	parallel		
Birefringence	medium		
Melt	no		
Fiber Name	Anthophyllite		

ASBESTOS MINERALS

EST. VOL. %

Chrysotile.....
Amosite.....
Crocidolite.....
Tremolite/Actinolite.....
Anthophyllite..... < 0.1

OTHER FIBROUS COMPONENTS

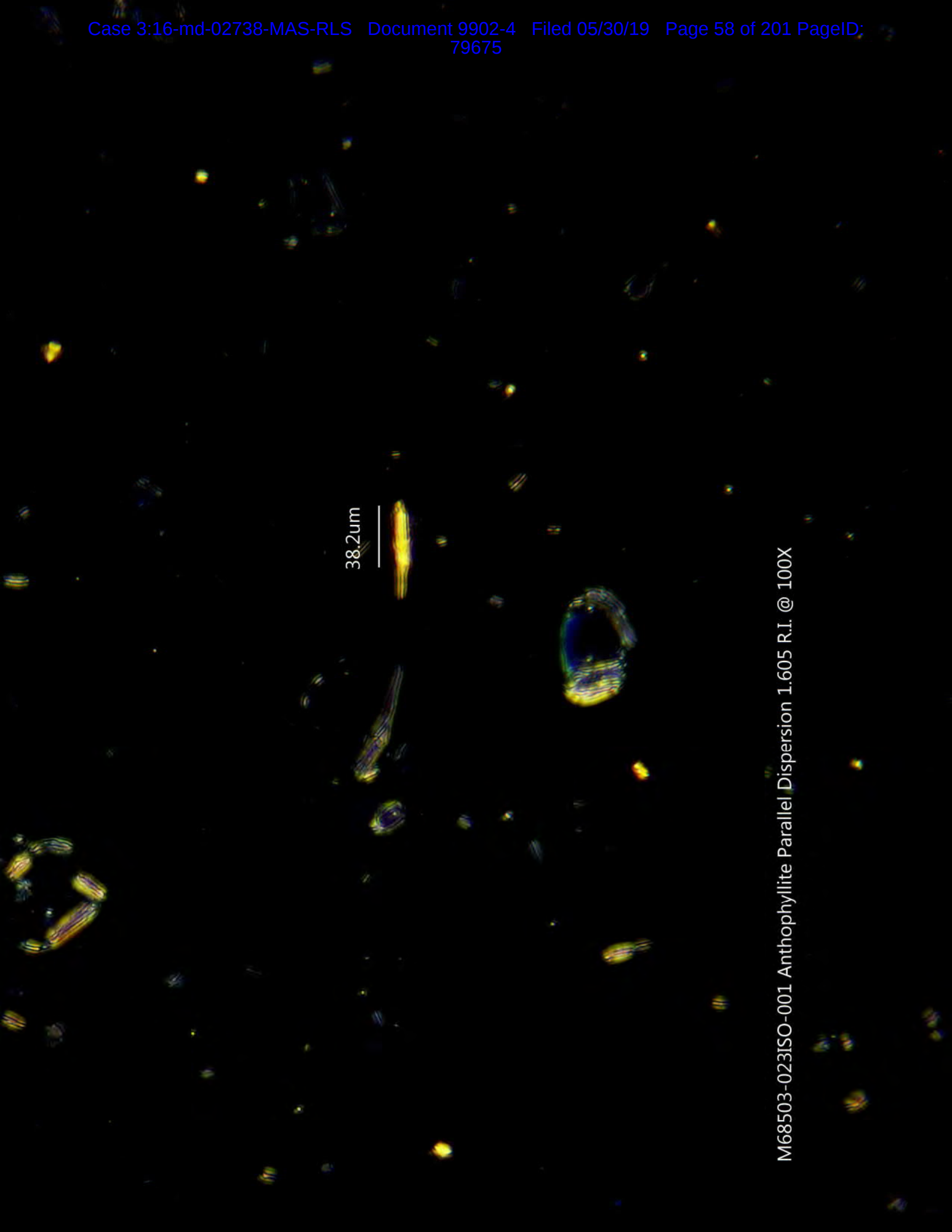
NON FIBROUS COMPONENTS

Opagues X
Talc X
Mineral grains X

Binder Description _____

Comments Anthophyllite asbestos observed. X=Materials Detected.

The method detection limit is 1% unless otherwise stated.



38.2um

M68503-023ISO-001 Anthophyllite Parallel Dispersion 1.605 R.I. @ 100X



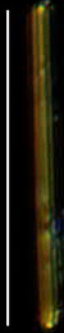
M68503-023ISO-001 Anthophyllite Perpendicular Dispersion



M68503-023ISO-001 Anthophyllite Elongation @ 200X

M68503-023ISO-001 Anthophyllite Crossed Polars

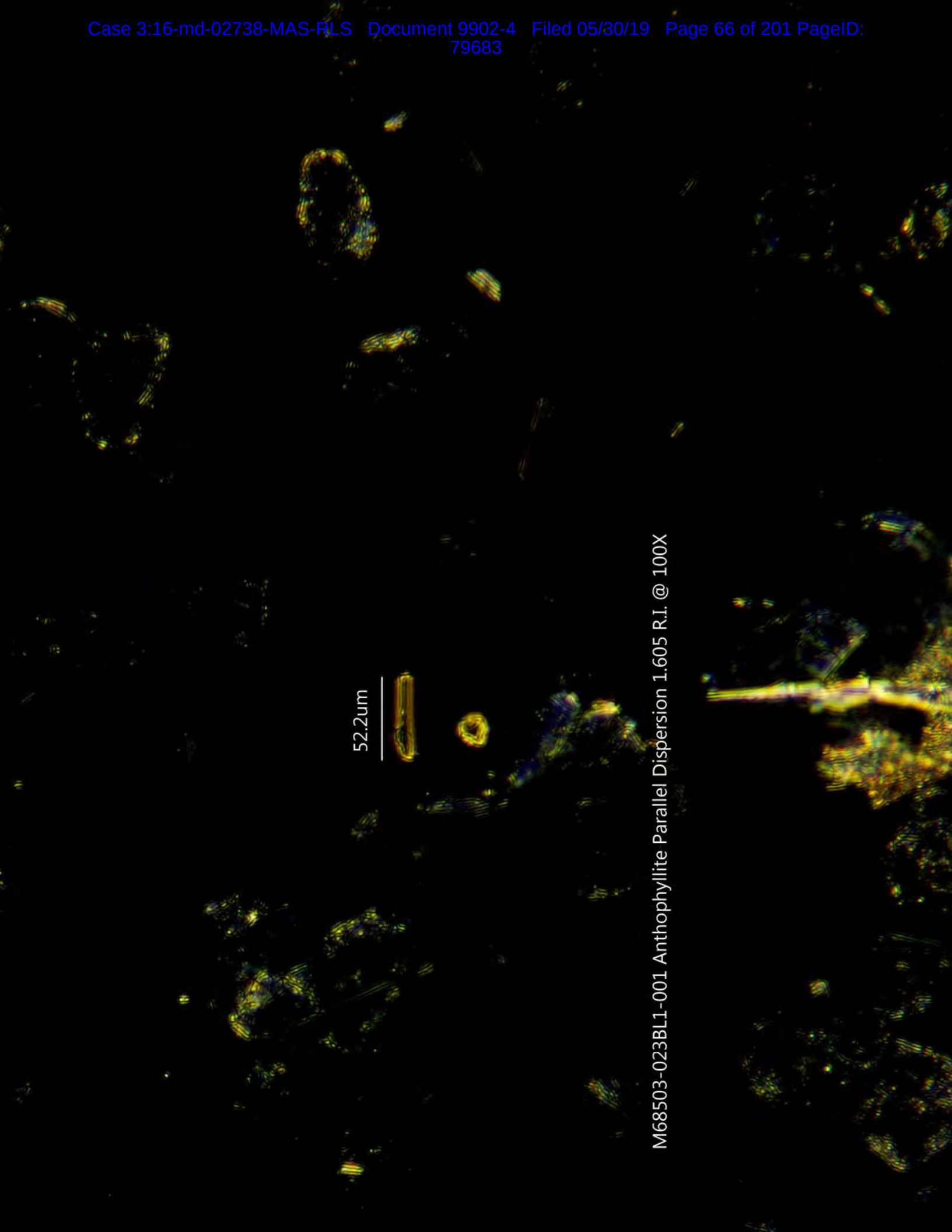
114.7um



M68503-023ISO-002 Anthophyllite Parallel Dispersion 1.605 R.I. @ 100X

M68503-023ISO-002 Anthophyllite Perpendicular Dispersion

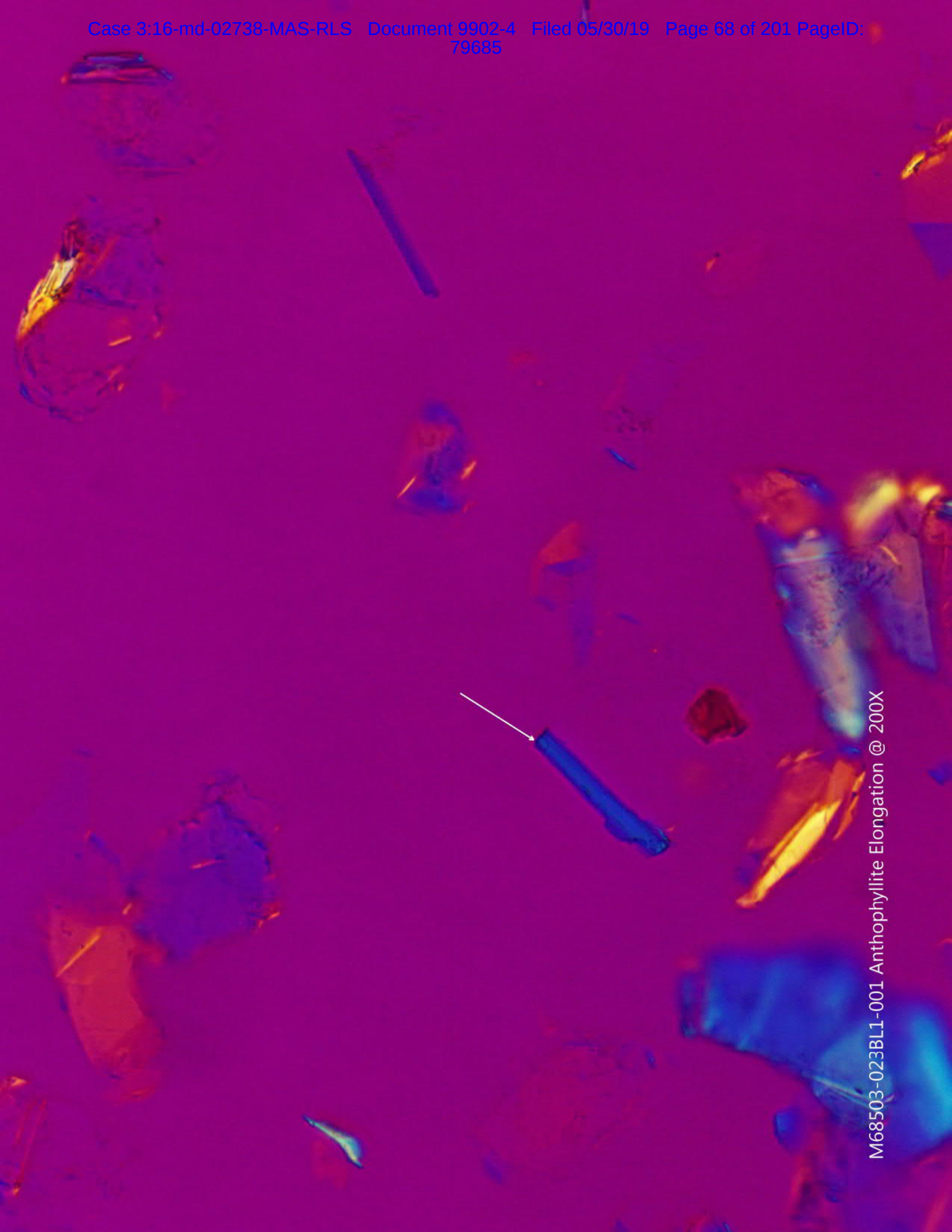
M68503-023ISO-002 Anthophyllite Crossed Polars



52.2um

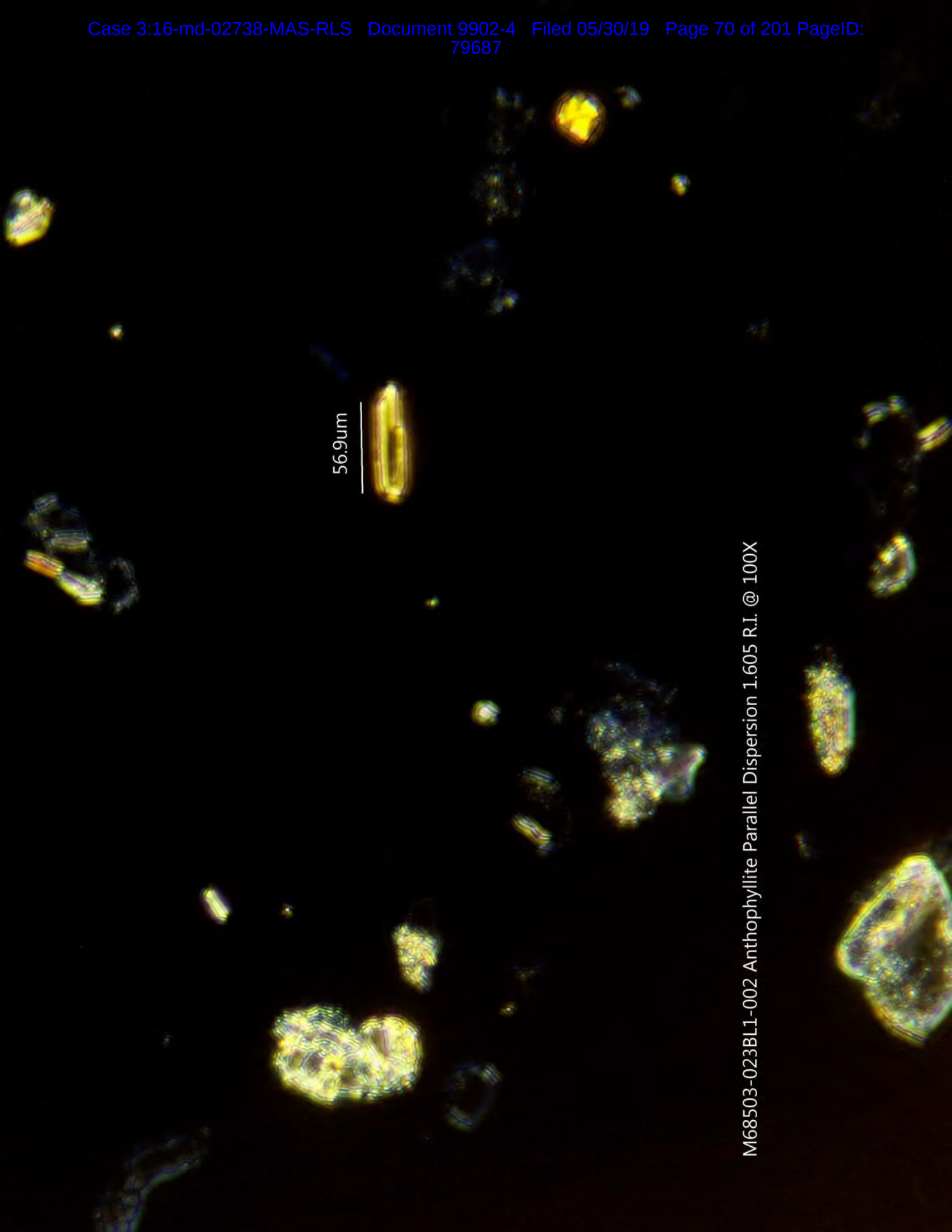
M68503-023BL1-001 Anthophyllite Parallel Dispersion 1.605 R.I. @ 100X

M68503-023BL1-001 Anthophyllite Perpendicular Dispersion



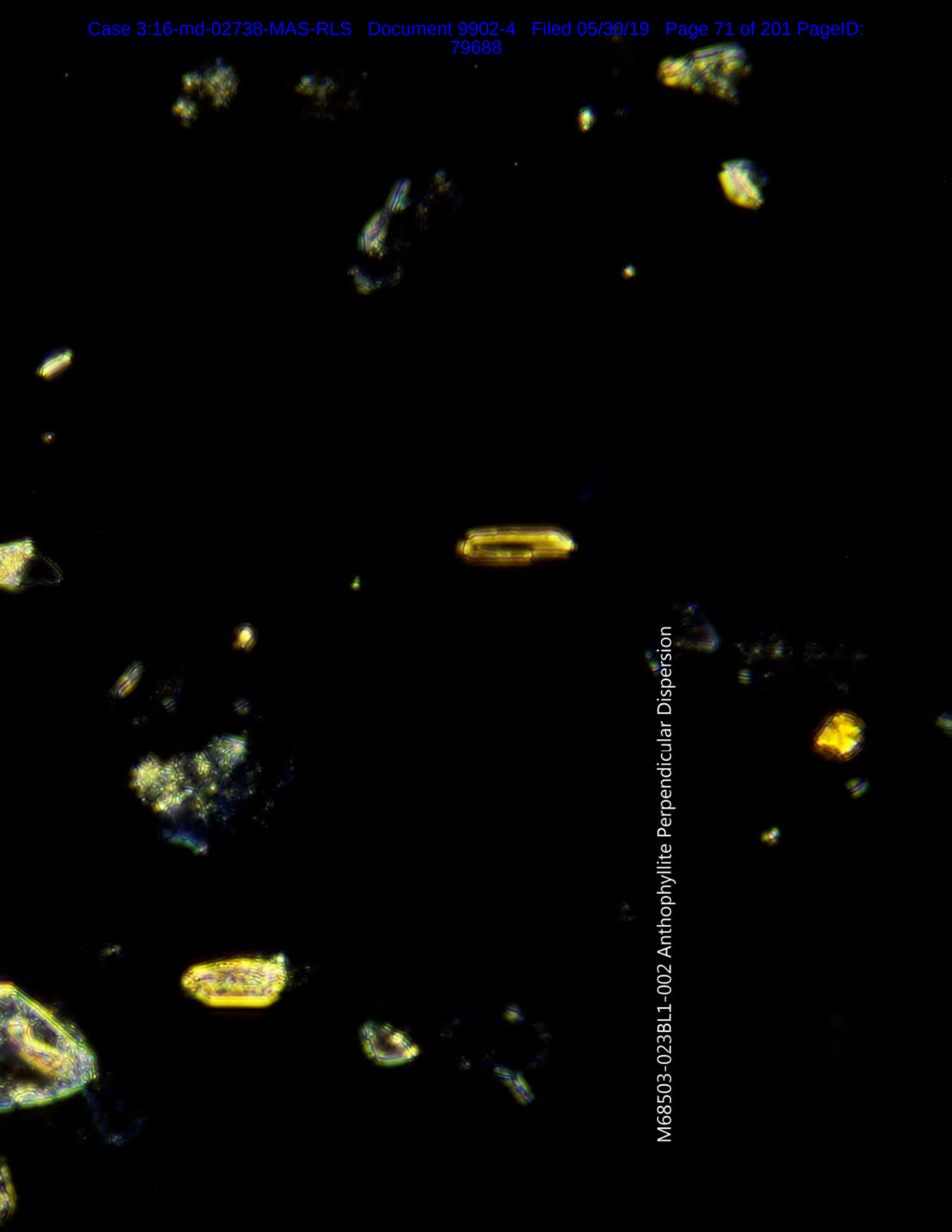
M68503-023BL1-001 Anthophyllite Elongation @ 200X

M68503-023BL1-001 Anthophyllite Crossed Polars

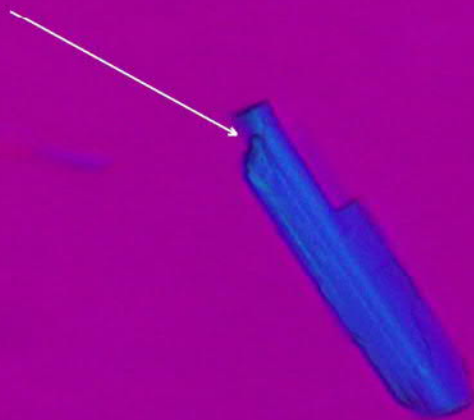


56.9um

M68503-023BL1-002 Anthophyllite Parallel Dispersion 1.605 R.I. @ 100X



M68503-023BL1-002 Anthophyllite Perpendicular Dispersion



M68503-023BL1-002 Anthophyllite Elongation @ 200X

M68503-023BL1-002 Anthophyllite Crossed Polars

TEM Bulk Talc Structure Count Sheet						
Project/ Sample No.	M68503-023		Grid Box #	8637	No. of Grids Counted	2
Analyst:	Mehrdad Motamedi			Length	Width	G. O. Area
Date of Analysis	10/27/2018-10/28/2018		G. O. in microns =	105	105	11025
Initial Weight(g)	0.02082			105	105	11025
Analysis Type	Post Separation Talc Analysis		Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
4	Screen Magnification	20 KX	Area Examined mm²			1.103

Str. #	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
NSD	C10-A1							
NSD	A2							
NSD	A3							
NSD	A4							
NSD	A5							
NSD	A6							
NSD	A7							
NSD	A8							
NSD	A9							
NSD	A10							
NSD	B1							
NSD	B2							
NSD	B3							
NSD	B4							
NSD	B5							
NSD	B6							
NSD	B7							
NSD	B8							
NSD	B9							
NSD	B10							
NSD	C1							
NSD	C2							
NSD	C3							
NSD	C4							
NSD	C5							
NSD	C6							
NSD	C7							
NSD	C8							
NSD	C9							
NSD	C10							
NSD	D1							
NSD	D2							
NSD	D3							
NSD	D4							
NSD	D5							
NSD	D6							
NSD	D7							
NSD	D8							
NSD	D9							
NSD	D10							
NSD	E1							
NSD	E2							
NSD	E3							
NSD	E4							
NSD	E5							
NSD	E6							
NSD	E7							
NSD	E8							
NSD	E9							
NSD	E10							

TEM Bulk Talc Structure Count Sheet						
Project/ Sample No.	M68503-023		Grid Box #	8637	No. of Grids Counted	2
Analyst:	Mehrdad Motamedi			Length	Width	G. O. Area
Date of Analysis	10/27/2018-10/28/2018		G. O. in microns =	105	105	11025
Initial Weight(g)	0.02082			105	105	11025
Analysis Type	Post Separation Talc Analysis		Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
4	Screen Magnification	20 KX	Area Examined mm²			1.103

Str. #	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
NSD	C9-J1							
NSD	J2							
NSD	J3							
NSD	J4							
NSD	J5							
NSD	J6							
NSD	J7							
NSD	J8							
1	J9	Bundle	Anthophyllite	12	0.8	15.0	X	X
NSD	J10							
NSD	I1							
NSD	I2							
NSD	I3							
NSD	I4							
NSD	I5							
NSD	I6							
NSD	I7							
NSD	I8							
NSD	I9							
NSD	I10							
NSD	H1							
NSD	H2							
NSD	H3							
NSD	H4							
NSD	H5							
NSD	H6							
NSD	H7							
NSD	H8							
NSD	H9							
NSD	H10							
NSD	G1							
NSD	G2							
NSD	G3							
NSD	G4							
NSD	G5							
NSD	G6							
NSD	G7							
NSD	G8							
NSD	G9							
NSD	G10							
NSD	F1							
NSD	F2							
NSD	F3							
NSD	F4							
NSD	F5							
NSD	F6							
NSD	F7							
NSD	F8							
NSD	F9							
NSD	F10							

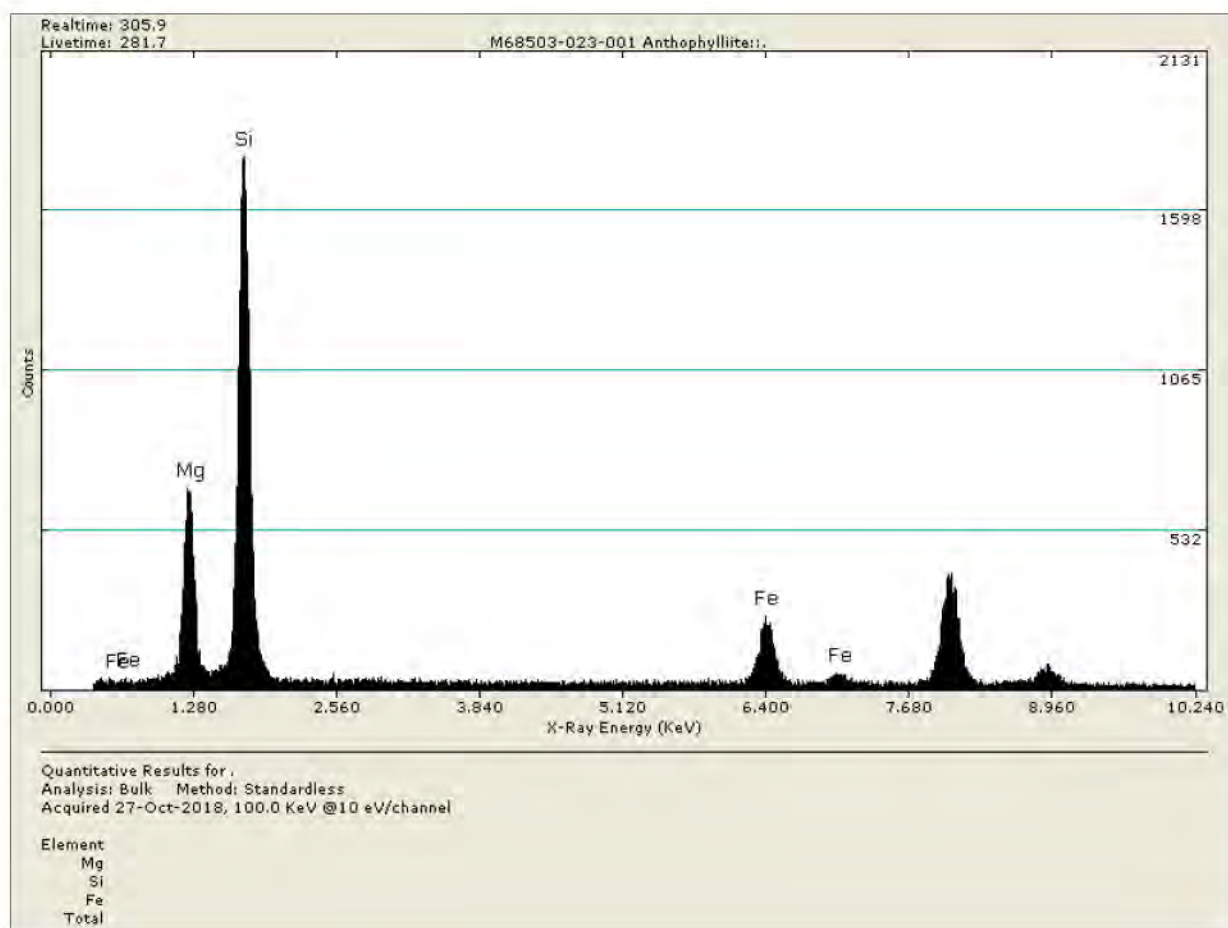
TEM Bulk Talc Structure Count Sheet						
Project/ Sample No.	M68503-023		Grid Box #	8637	No. of Grids Counted	2
Analyst:	Mehrdad Motamedi			Length	Width	G. O. Area
Date of Analysis	10/27/2018-10/28/2018		G. O. in microns =	105	105	11025
Initial Weight(g)	0.02082			105	105	11025
Analysis Type	Post Separation Talc Analysis		Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
4	Screen Magnification	20 KX	Area Examined mm²			1.103

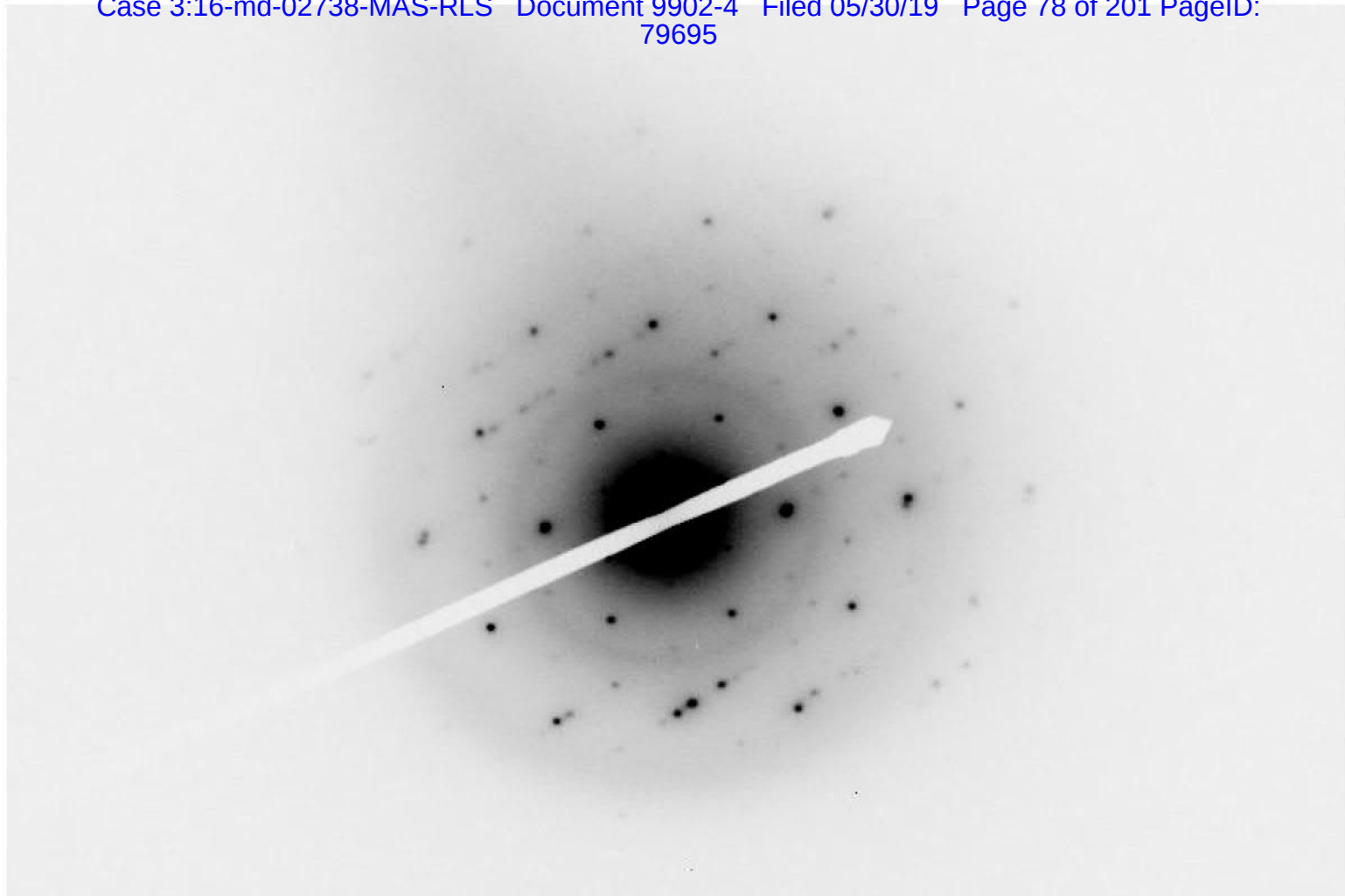
Str. #	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
--------	--------------	-----------	------------------	--------	-------	-------	------	-----

Org. Sample Wt.	Sample Wt. Post HL Separation
0.02082	0.02082
Percent of Orig. Post Separation	100

Wt. Of Sample Analyzed	0.00011414	g
Filter size	201.1	mm ²
Number of Structures Counted	1	Str.
Structures per Gram of Sample	8.76E+03	Str./g

Detection Limit	8.76E+03	Str./g
Analytical Sensitivity	8.76E+03	Str./g

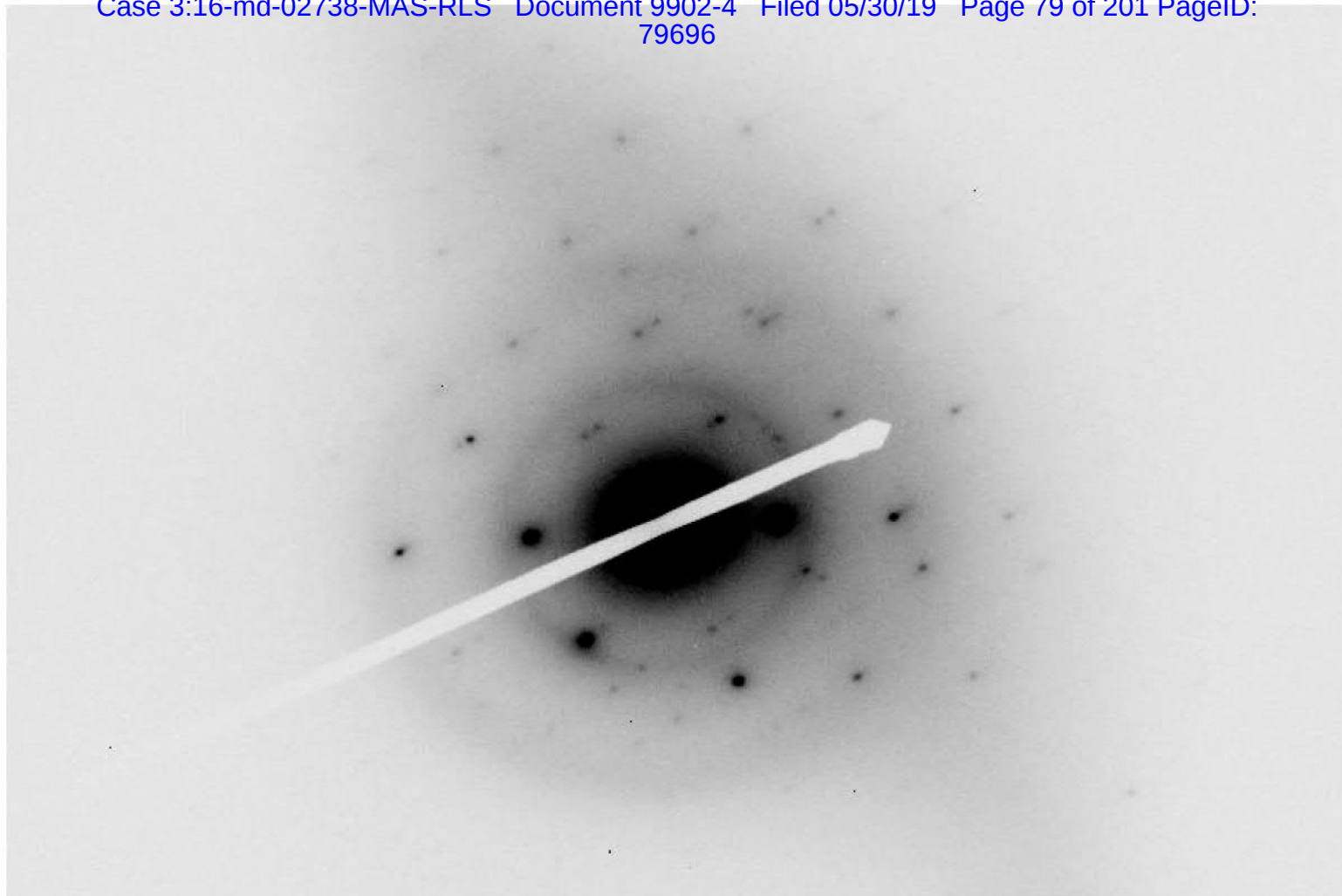




41349

M68503-023-001 Anthophyllite Diffraction 1 @ 50cm

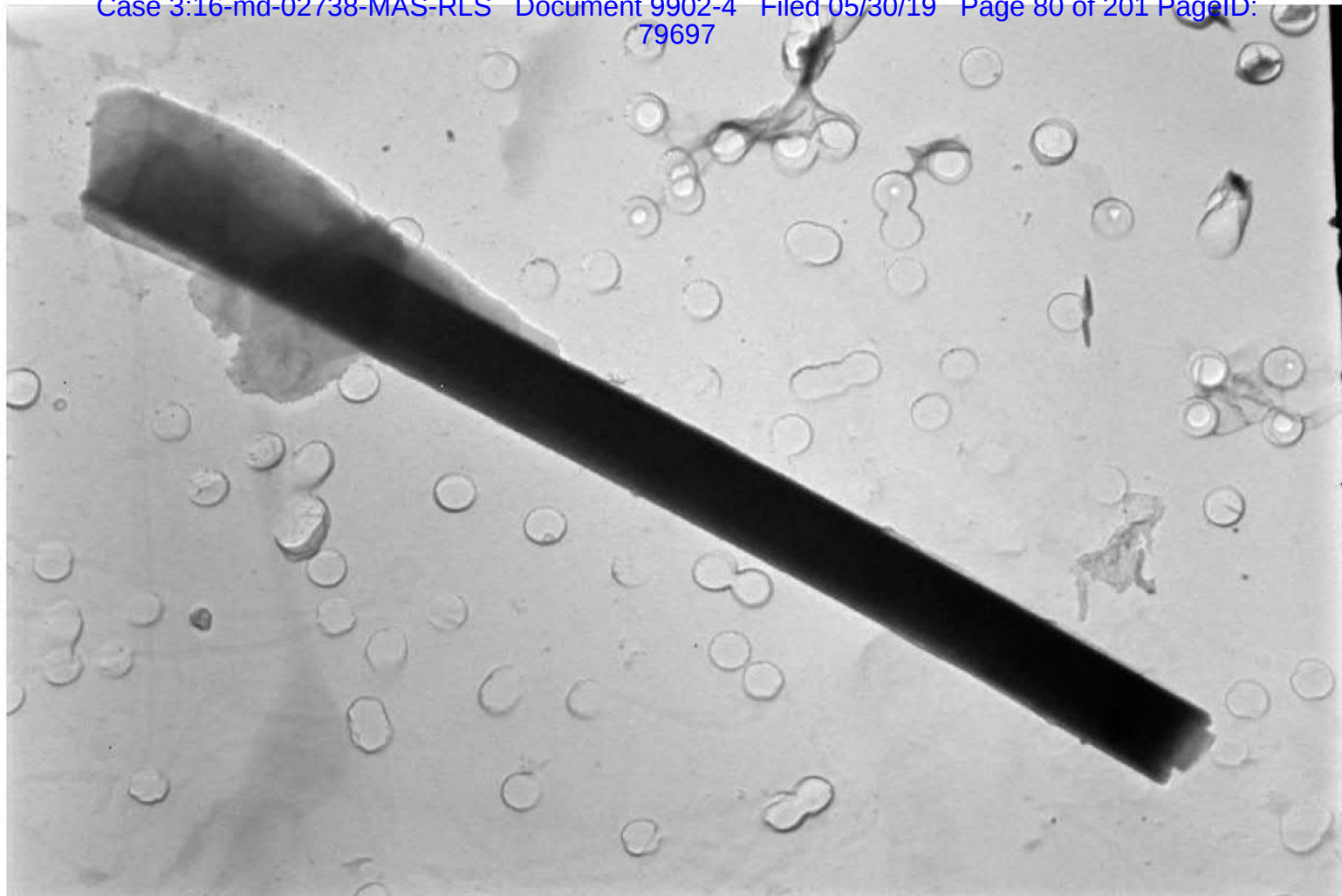
10/27/2018



41350

M68503-023-001 Anthophyllite Diffraction 2 @ 50cm

10/27/2018



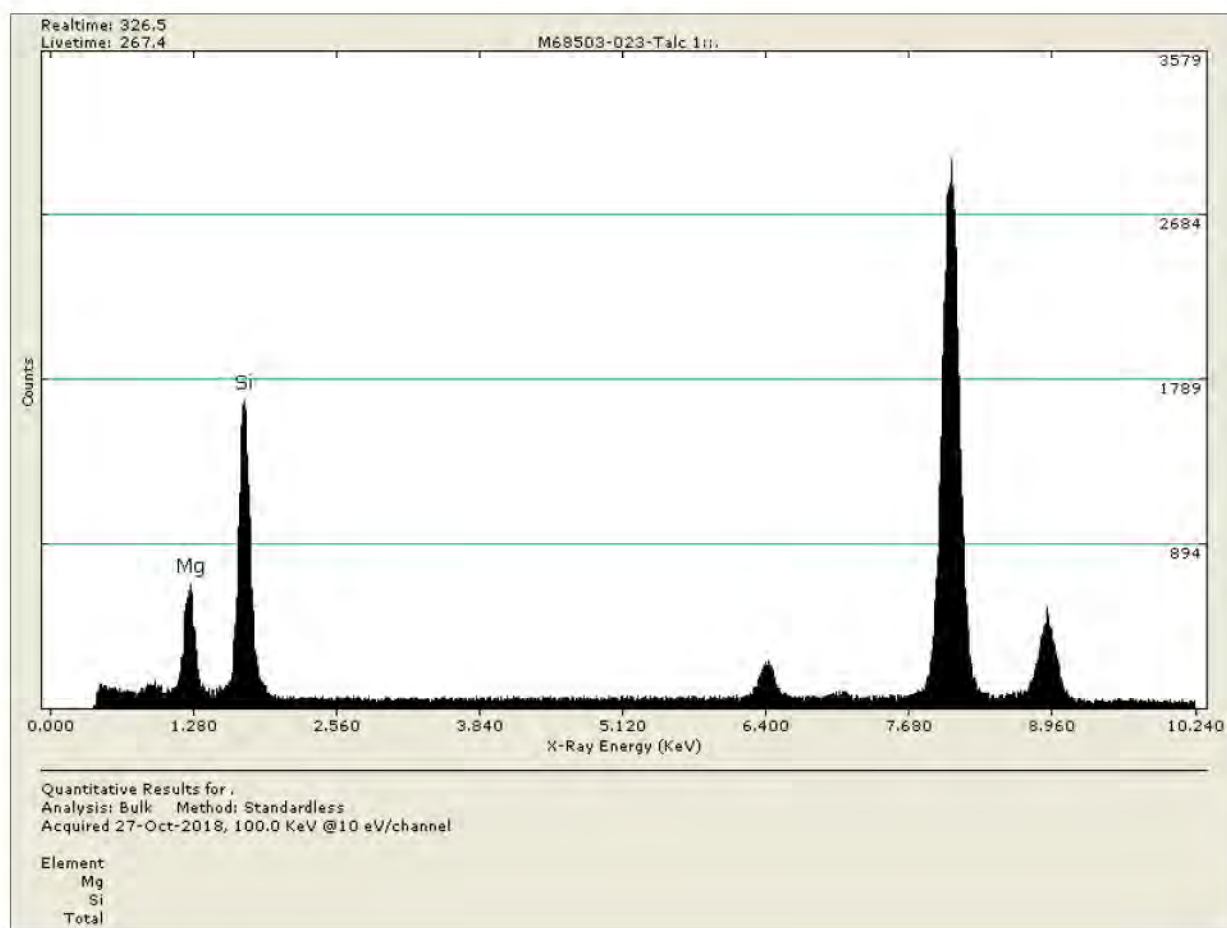
41351

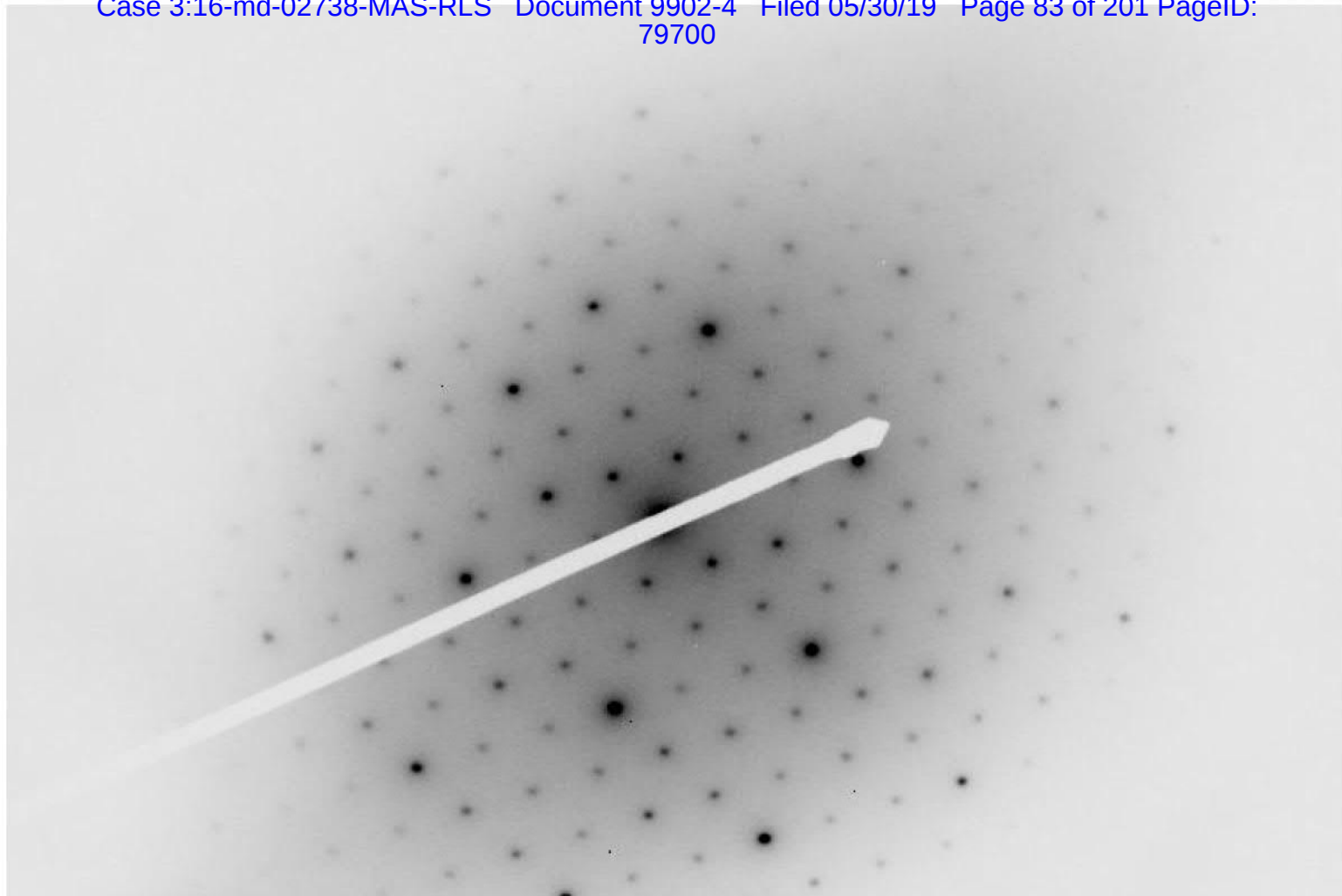
M68503-023-001 Anthophyllite (12.0um x 0.8um)

10/27/2018

TEM Bulk Talc Structure Count Sheet						
Project/ Sample No.	M68503-023		Grid Box #	8637	No. of Grids Counted	2
Analyst:	Mehrdad Motamedi			Length	Width	G.O. Area
Date of Analysis	10/27/2018-10/28/2018		G. O. in microns =	105	105	105
Initial Weight(g)	0.02082			105	105	105
Analysis Type	Post Separation Talc Analysis		Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
4	Screen Magnification	20 KX	Area Examined mm ²			1.103

Str. #	Grid Opening	Str./Asb. Type	Length	Width	Ratio	SAED	EDS
Talc 1	C10-C2	Fibrous Talc	12.7	1.4	9.1	Fibrous Talc Observed Trace throughout	

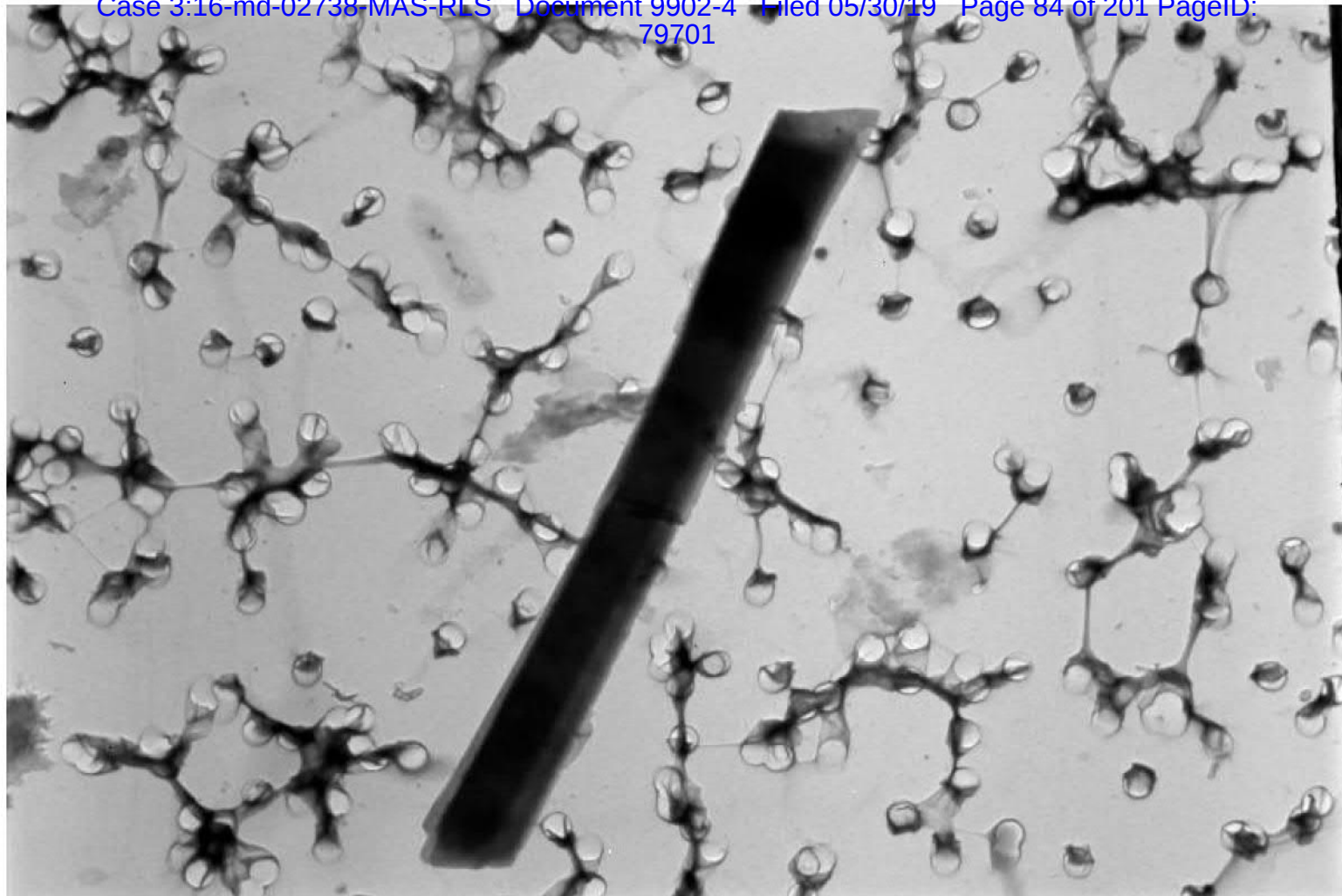




41347

M68503-023 Talc 1 Diffraction @ 50cm

10/27/2018



41348

M68503-023- Talc 1 (12.7um x 1.4um)

10/27/2018

Section 8

**MAS, LLC
PLM ANALYSIS**

Proj#-Spl# M68503 - 028ISO **Analyst** Paul Hess **Date** 10/29/2018
ClientName Dept 14 Environmental **ClientSpl** 2018-0061-12A
Location _____
Type_Mat New Shower to Shower Deodorant Body Powder
Gross Off-white powder **% of Sample** 100
Visual _____

OPTICAL DATA FOR ASBESTOS IDENTIFICATION

Morphology			
Pleochroism			
Refract Index			
Sign^			
Extinction			
Birefringence			
Melt			
Fiber Name			

ASBESTOS MINERALS

EST. VOL. %

NO ASBESTOS OBSERVED

Chrysotile.....
Amosite.....
Crocidolite.....
Tremolite/Actinolite.....
Anthophyllite.....

OTHER FIBROUS COMPONENTS

Talc -B/Y DS in 1.55

NON FIBROUS COMPONENTS

Opagues

X

Talc

X

Mineral grains

X

Binder Description

Comments X = Materials detected. *** Trace amount of fibrous Talc observed.

The method detection limit is 1% unless otherwise stated.

**MAS, LLC
PLM ANALYSIS**

Proj#-Spl# M68503 - 028BL1 **Analyst** Paul Hess **Date** 10/23/2018
ClientName Dept 14 Environmental **ClientSpl** 2018-0061-12A
Location _____
Type_Mat New Shower to Shower Deodorant Body Powder (100mg prep)
Gross White debris on slide **% of Sample** 100
Visual _____

OPTICAL DATA FOR ASBESTOS IDENTIFICATION

Morphology	straight		
Pleochroism	none		
Refract Index	1.630/1.617		
Sign^	positive		
Extinction	parallel		
Birefringence	medium		
Melt	no		
Fiber Name	Anthophyllite		

ASBESTOS MINERALS

EST. VOL. %

Chrysotile.....
Amosite.....
Crocidolite.....
Tremolite/Actinolite.....
Anthophyllite..... < 0.1

OTHER FIBROUS COMPONENTS

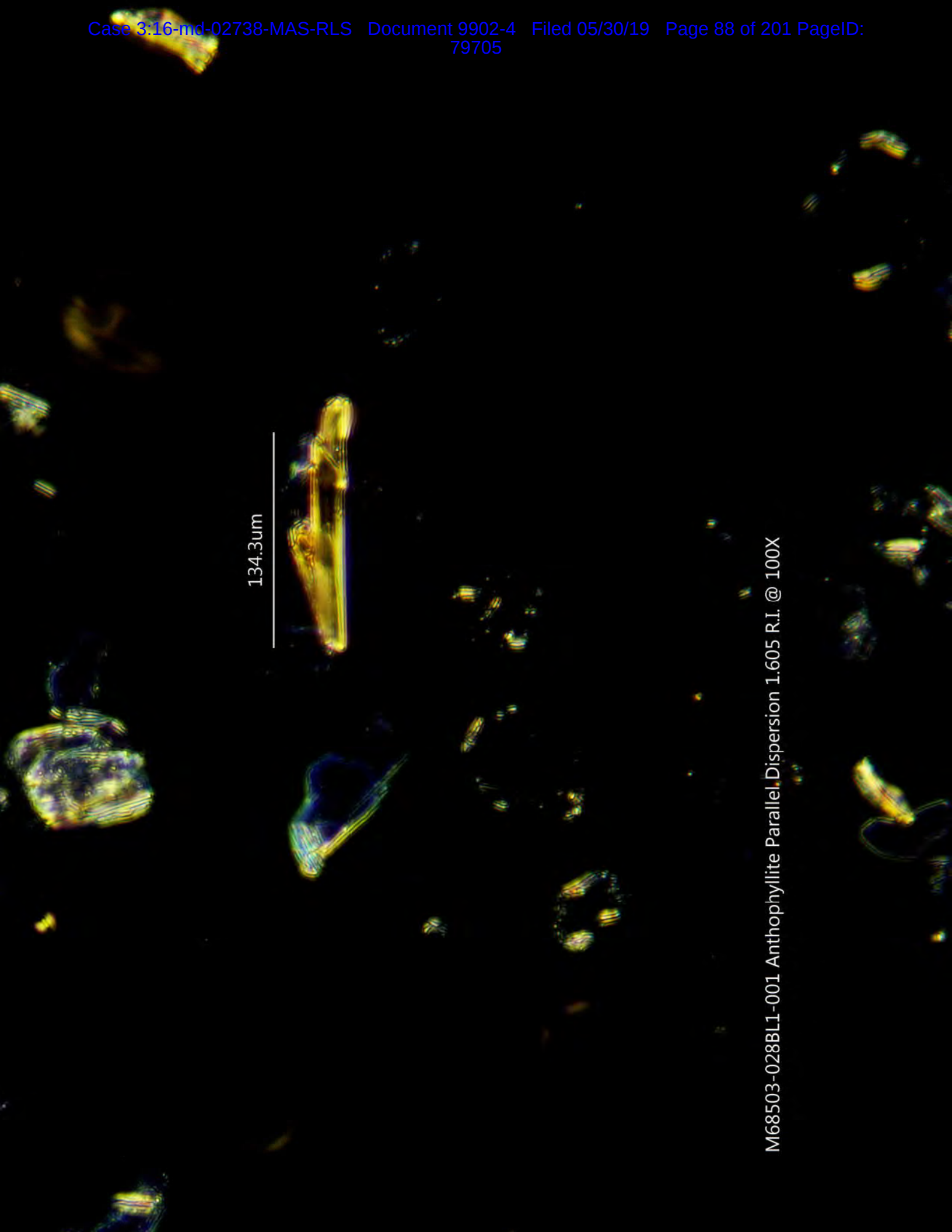
NON FIBROUS COMPONENTS

Opagues X
Talc X
Mineral grains X

Binder Description _____

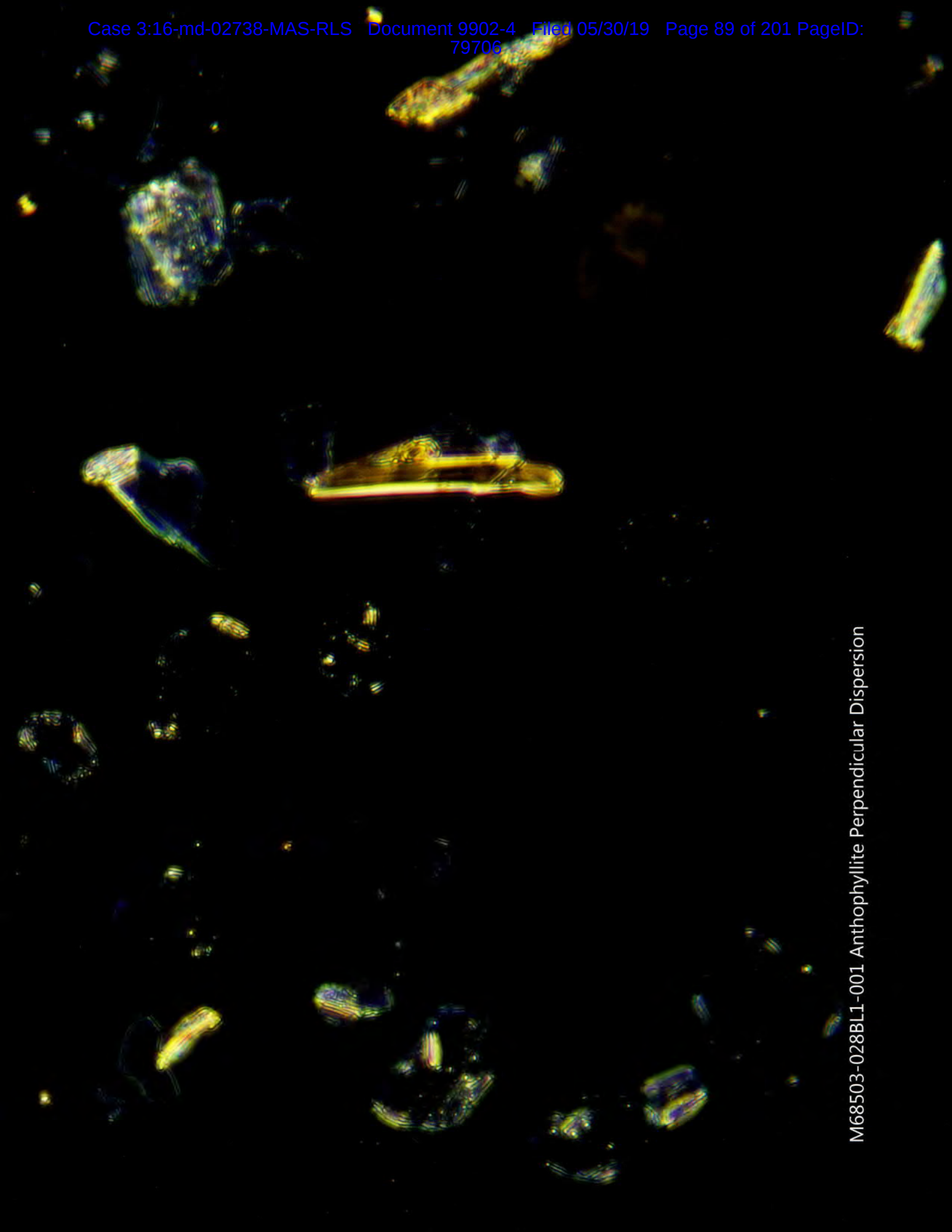
Comments X = Materials detected.

The method detection limit is 1% unless otherwise stated.



134.3um

M68503-028BL1-001 Anthophyllite Parallel Dispersion 1.605 R.I. @ 100X



M68503-028BL1-001 Anthophyllite Perpendicular Dispersion



M68503-028BL1-001 Anthophyllite Elongation @ 200X

M68503-028BL1-001 Anthophyllite Crossed Polars

TEM Bulk Talc Structure Count Sheet						
Project/ Sample No.	M68503-028		Grid Box #	8637	No. of Grids Counted	2
Analyst:	Mehrdad Motamedi			Length	Width	G. O. Area
Date of Analysis	10/31/2018		G. O. in microns =	105	105	11025
Initial Weight(g)	0.03135			105	105	11025
Analysis Type	Post Separation Talc Analysis		Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
4	Screen Magnification	20 KX	Area Examined mm ²			1.103

Str. #	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
NSD	B10-B1							
NSD	B2							
NSD	B3							
NSD	B4							
NSD	B5							
NSD	B6							
NSD	B7							
NSD	B8							
NSD	B9							
NSD	B10							
NSD	C1							
NSD	C2							
NSD	C3							
1	C4	Bundle	Anthophyllite	18.8	1.8	10.4	X	X
NSD	C5							
NSD	C6							
NSD	C7							
NSD	C8							
NSD	C9							
NSD	C10							
NSD	D1							
NSD	D2							
NSD	D3							
NSD	D4							
NSD	D5							
NSD	D6							
NSD	D7							
NSD	D8							
NSD	D9							
NSD	D10							
NSD	E1							
NSD	E2							
NSD	E3							
NSD	E4							
NSD	E5							
NSD	E6							
NSD	E7							
NSD	E8							
NSD	E9							
NSD	E10							
NSD	G1							
NSD	G2							
NSD	G3							
NSD	G4							
NSD	G5							
NSD	G6							
NSD	G7							
2	G8	Bundle	Anthophyllite	5.7	0.4	14.3	X	X
NSD	G9							
NSD	G10							

TEM Bulk Talc Structure Count Sheet						
Project/ Sample No.	M68503-028		Grid Box #	8637	No. of Grids Counted	2
Analyst:	Mehrdad Motamedi			Length	Width	G. O. Area
Date of Analysis	10/31/2018		G. O. in microns =	105	105	11025
Initial Weight(g)	0.03135			105	105	11025
Analysis Type	Post Separation Talc Analysis		Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
4	Screen Magnification	20 KX	Area Examined mm²			1.103

Str. #	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
NSD	B9-J1							
NSD	J2							
NSD	J3							
NSD	J4							
NSD	J5							
NSD	J6							
NSD	J7							
NSD	J8							
NSD	J9							
NSD	J10							
NSD	I1							
NSD	I2							
3	I3	Bundle	Anthophyllite	6	0.9	6.7	X	X
NSD	I4							
NSD	I5							
NSD	I6							
NSD	I7							
NSD	I8							
NSD	I9							
NSD	I10							
NSD	H1							
NSD	H2							
NSD	H3							
NSD	H4							
NSD	H5							
NSD	H6							
NSD	H7							
NSD	H8							
NSD	H9							
NSD	H10							
NSD	G1							
NSD	G2							
NSD	G3							
NSD	G4							
NSD	G5							
NSD	G6							
NSD	G7							
NSD	G8							
NSD	G9							
NSD	G10							
NSD	F1							
NSD	F2							
NSD	F3							
NSD	F4							
NSD	F5							
NSD	F6							
NSD	F7							
NSD	F8							
NSD	F9							
NSD	F10							

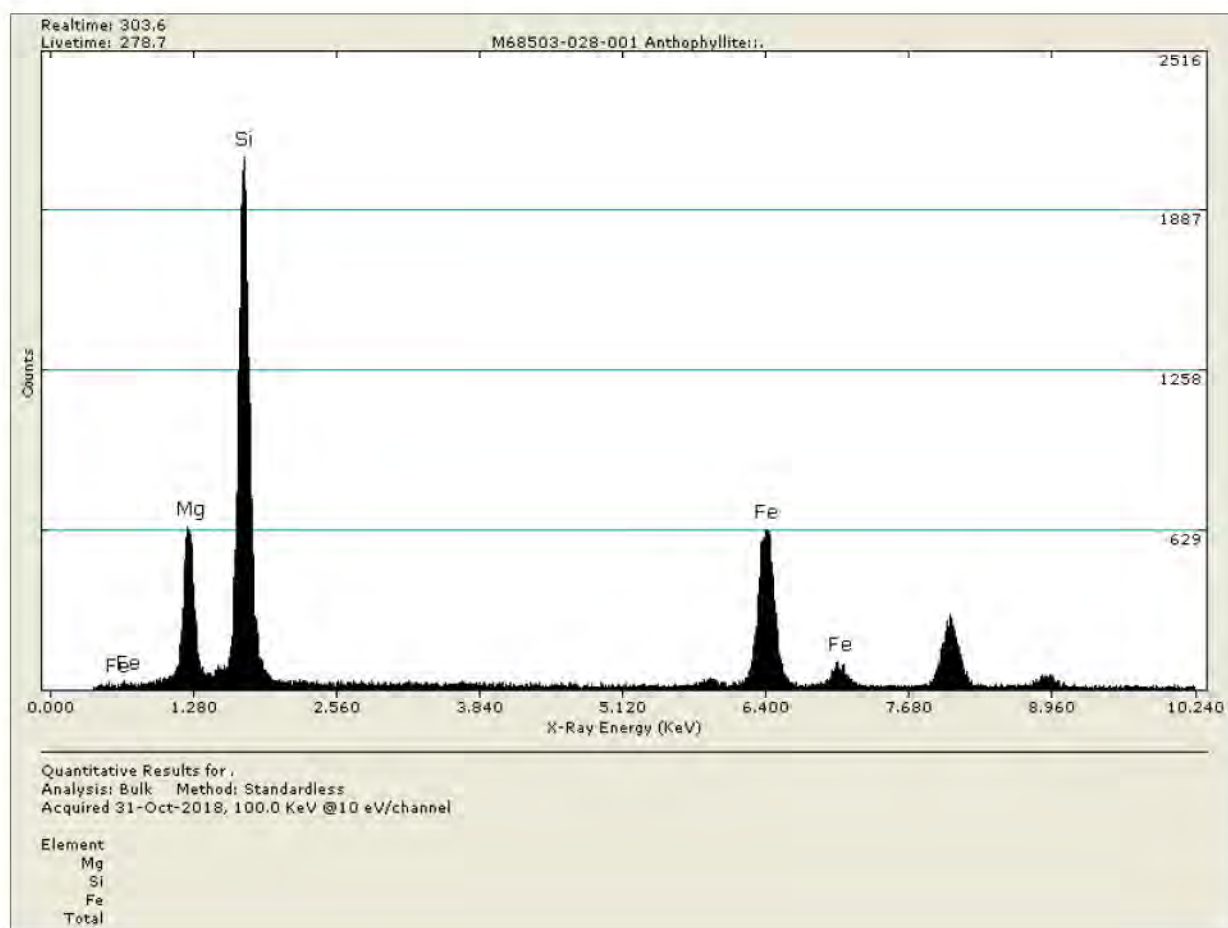
TEM Bulk Talc Structure Count Sheet						
Project/ Sample No.	M68503-028		Grid Box #	8637	No. of Grids Counted	2
Analyst:	Mehrdad Motamedi			Length	Width	G. O. Area
Date of Analysis	10/31/2018		G. O. in microns =	105	105	11025
Initial Weight(g)	0.03135			105	105	11025
Analysis Type	Post Separation Talc Analysis		Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
4	Screen Magnification	20 KX	Area Examined mm²			1.103

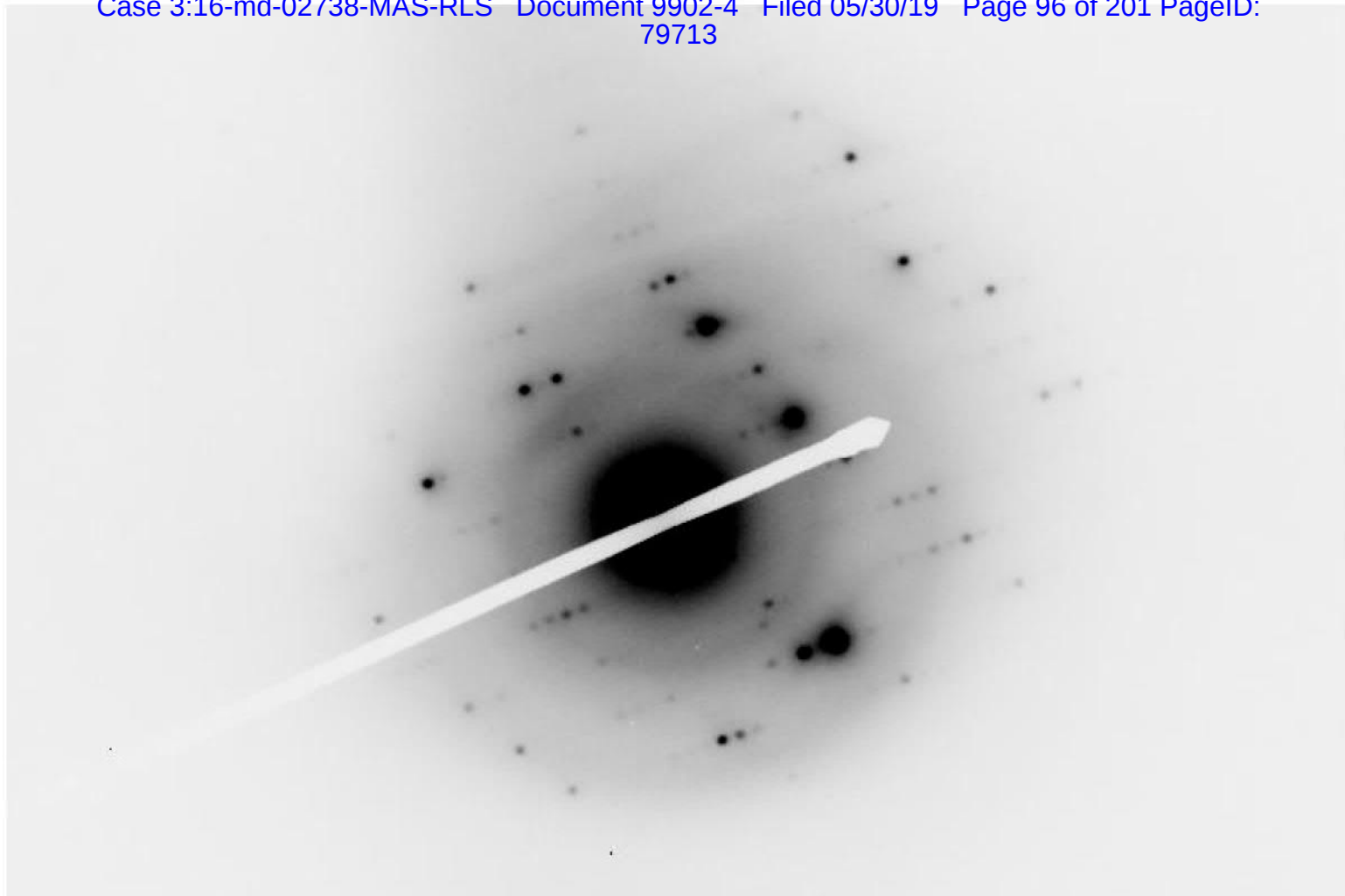
Str. #	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
--------	--------------	-----------	------------------	--------	-------	-------	------	-----

	Sample Wt.	
Org. Sample Wt.	Post HL Separation	
0.03135	0.03135	g
Percent of Orig. Post Separation	100	(%)

Wt. Of Sample Analyzed	0.00017187	g
Filter size	201.1	mm ²
Number of Structures Counted	3	Str.
Structures per Gram of Sample	1.75E+04	Str./g

Detection Limit	5.82E+03	Str./g
Analytical Sensitivity	5.82E+03	Str./g

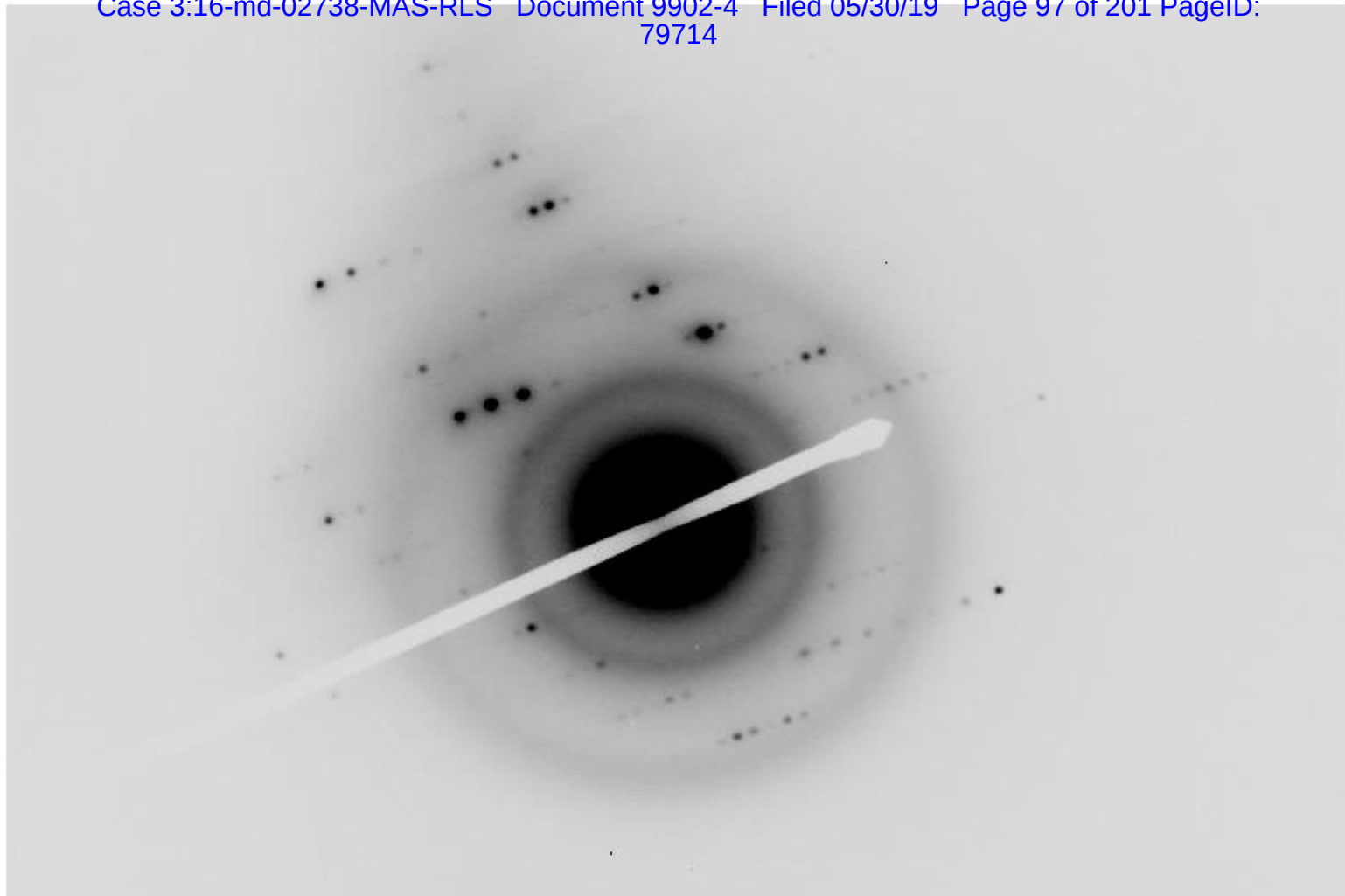




41389

M68503-028-001 Anthophyllite Diffraction 1 @ 50cm

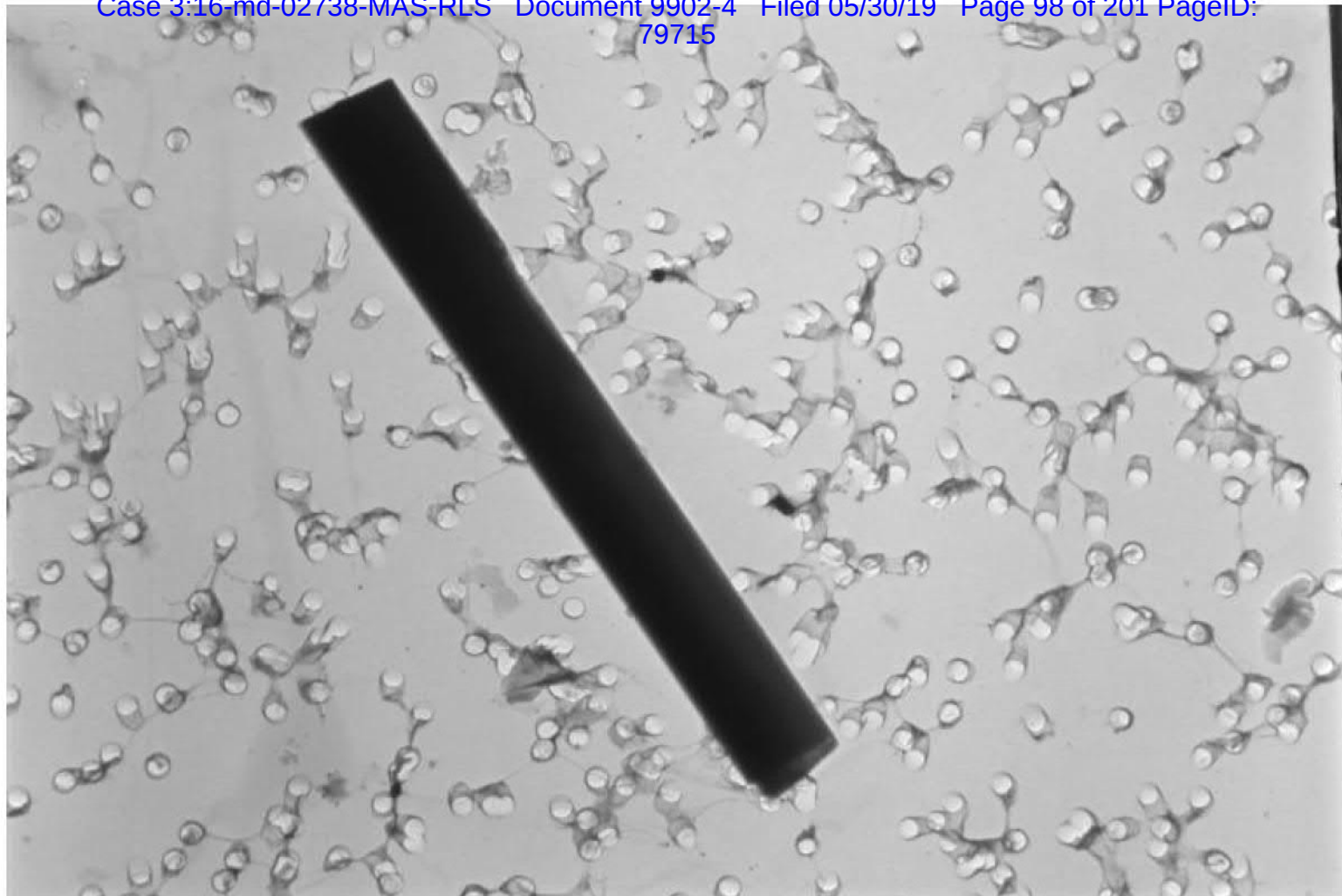
10/31/2018



41391

M68503-028-001 Anthophyllite Diffraction 2 @ 50cm

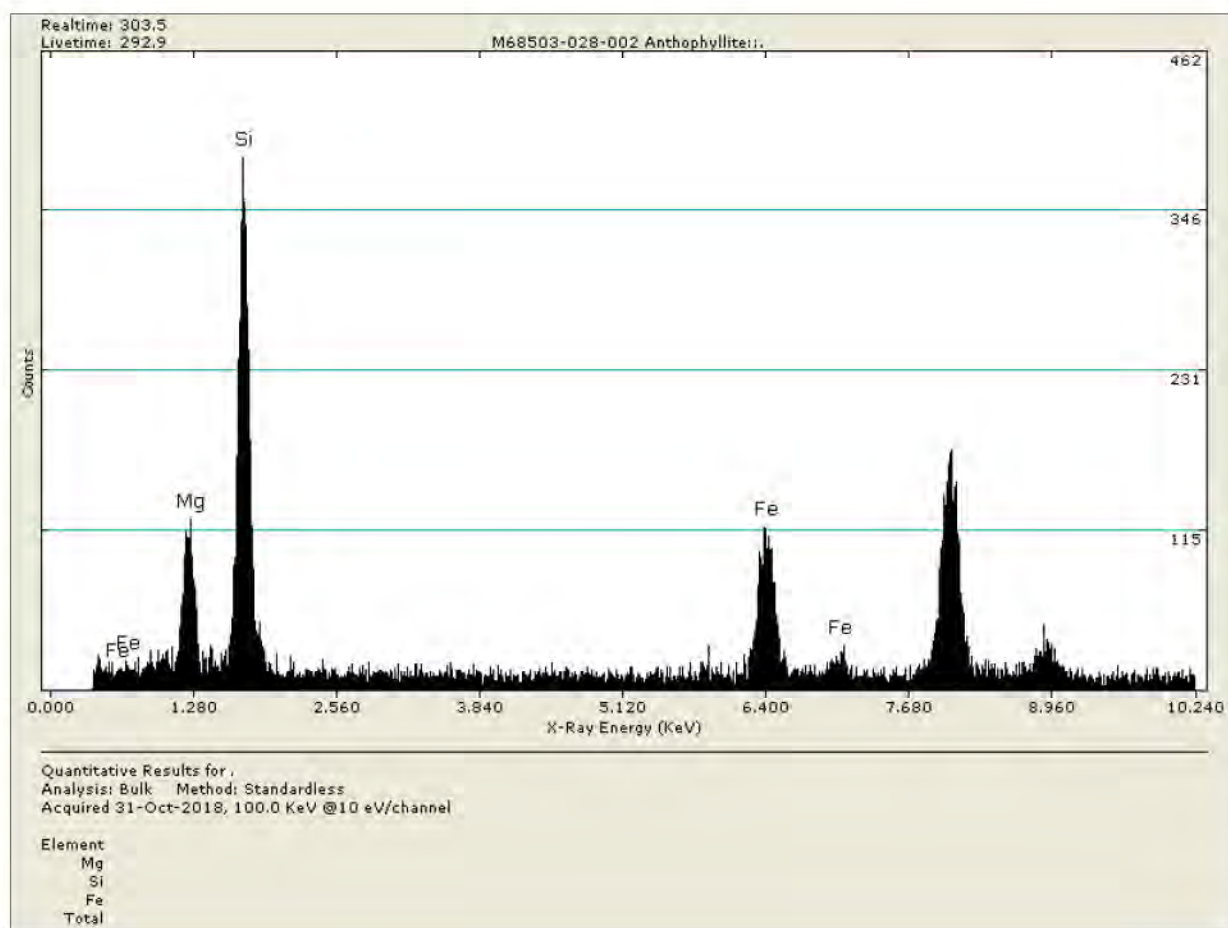
10/31/2018

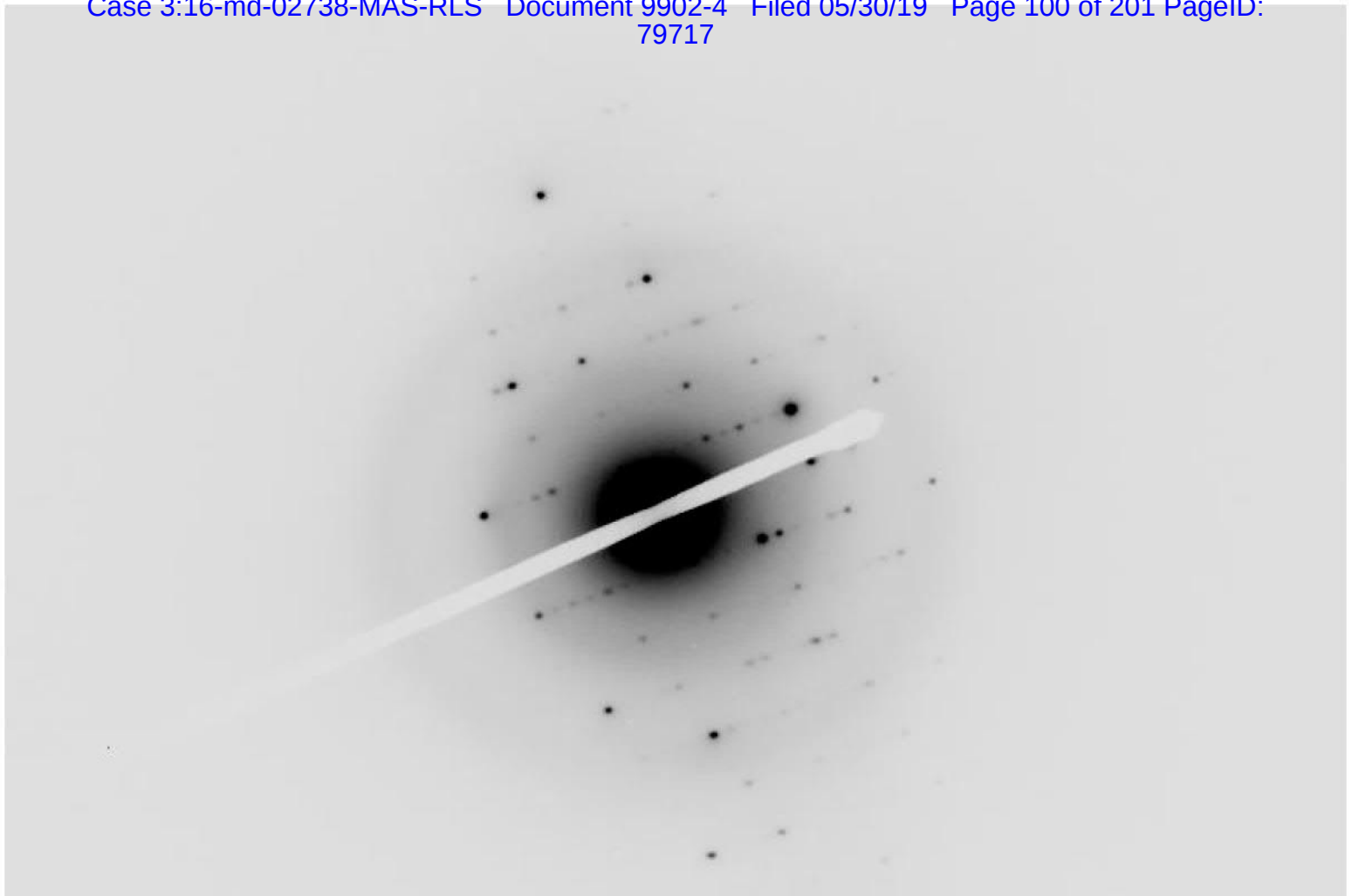


41390

M68503-028-001 Anthophyllite (18.8um x 1.8um)

10/31/2018

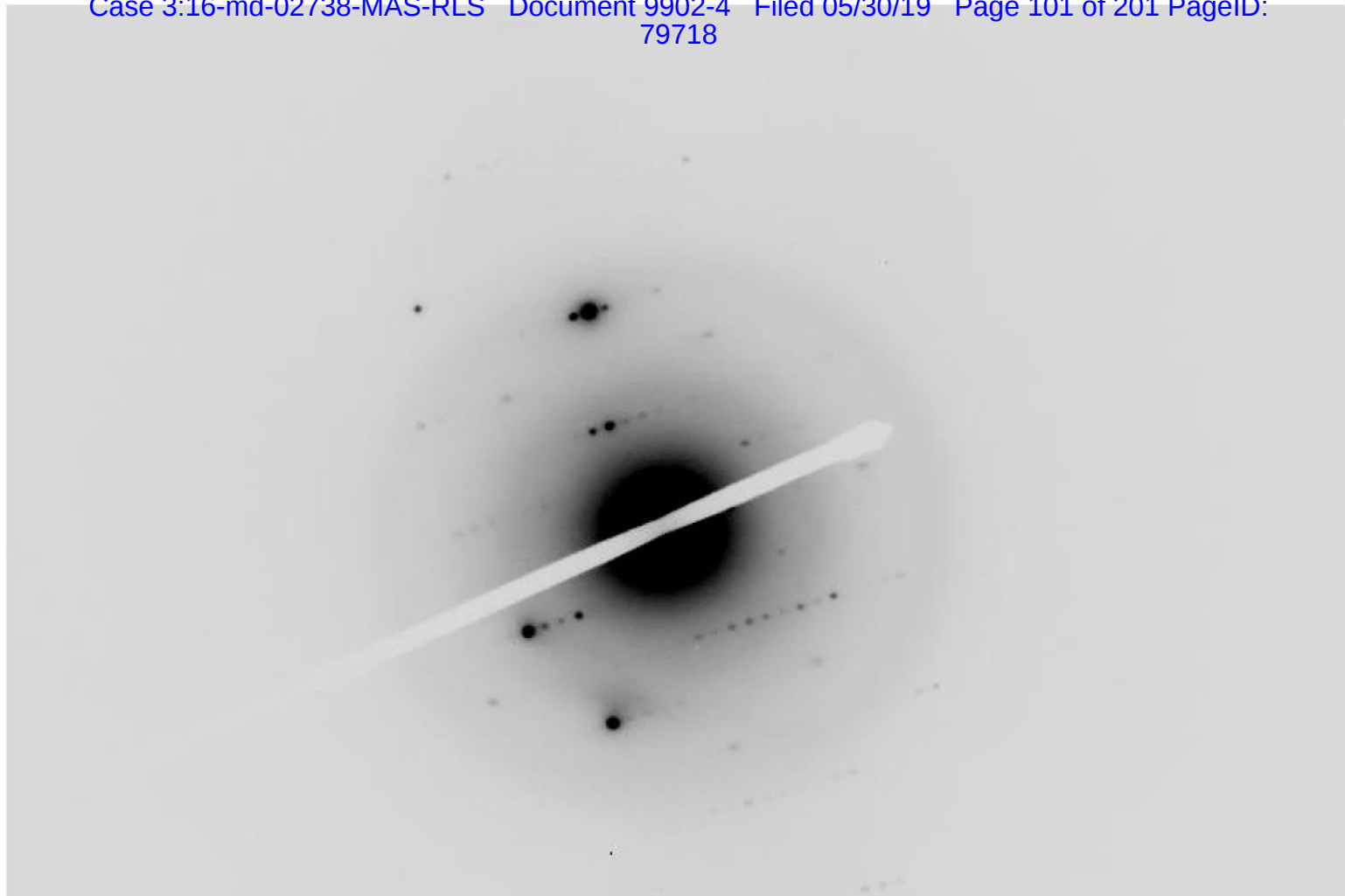




41392

M68503-028-002 Anthophyllite Diffraction 1 @ 50cm

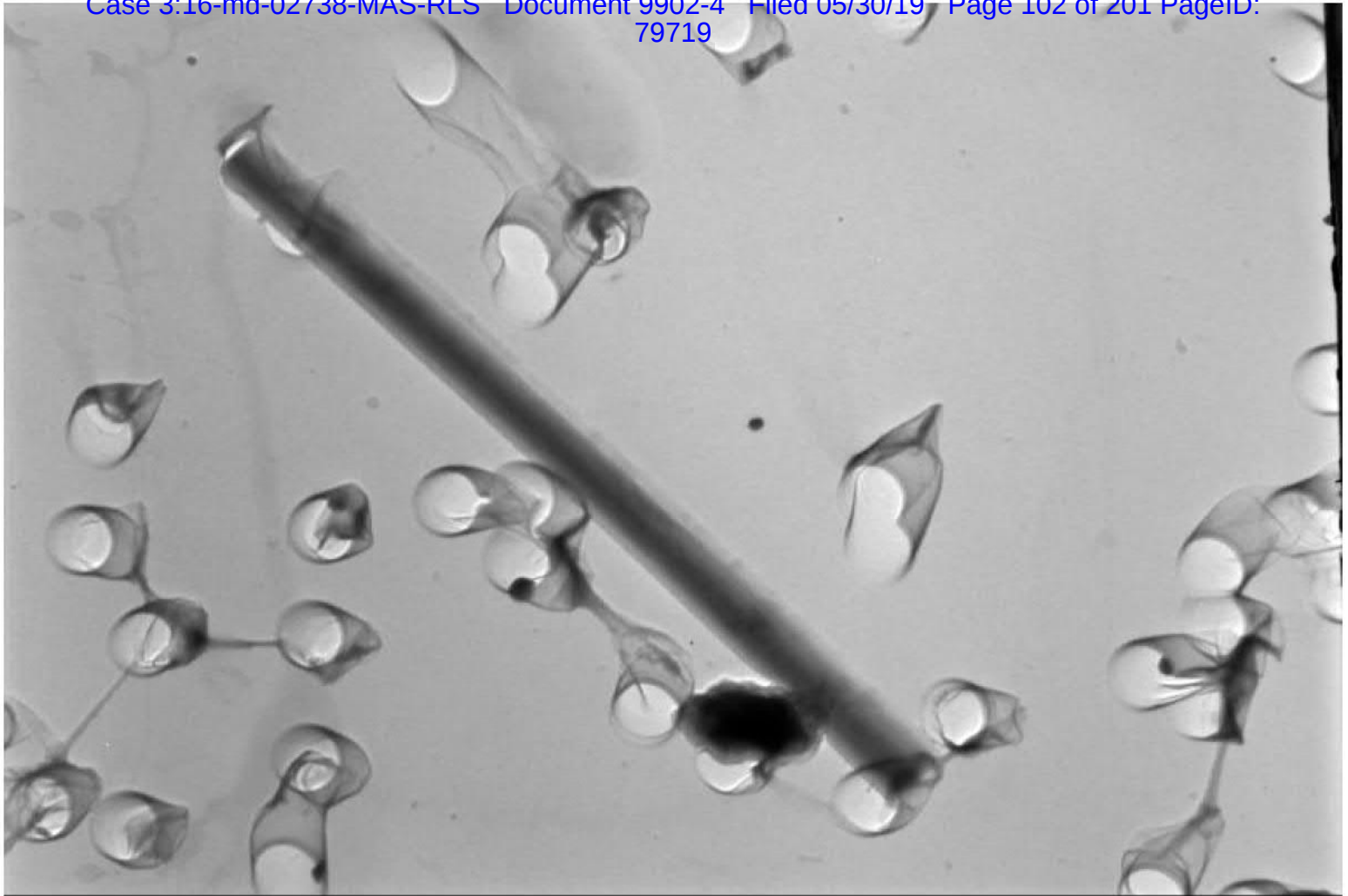
10/31/2018



41393

M68503-028-002 Anthophyllite Diffraction 2 @ 50cm

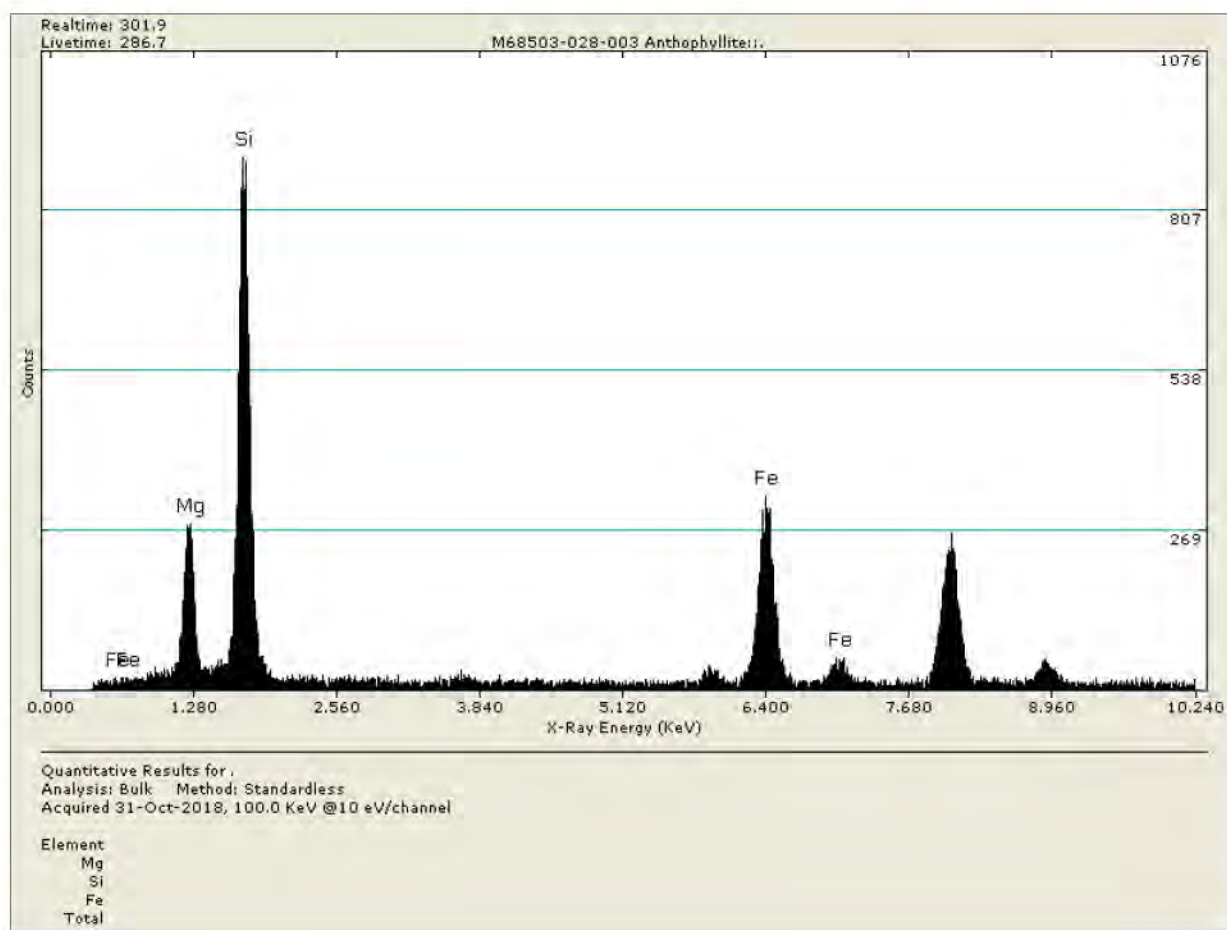
10/31/2018

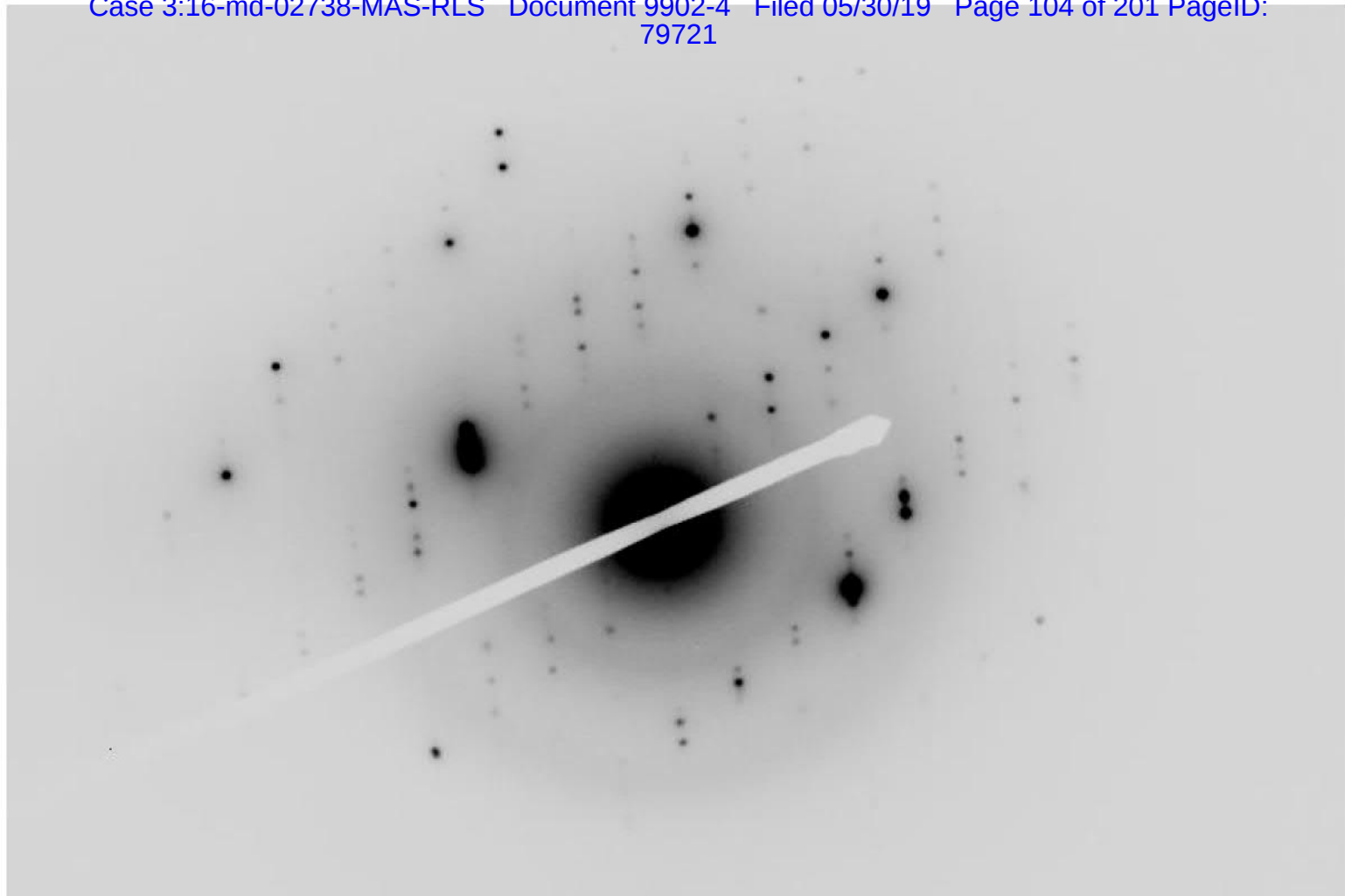


41394

M68503-028-002 Anthophyllite (5.7um x 0.4um)

10/31/2018

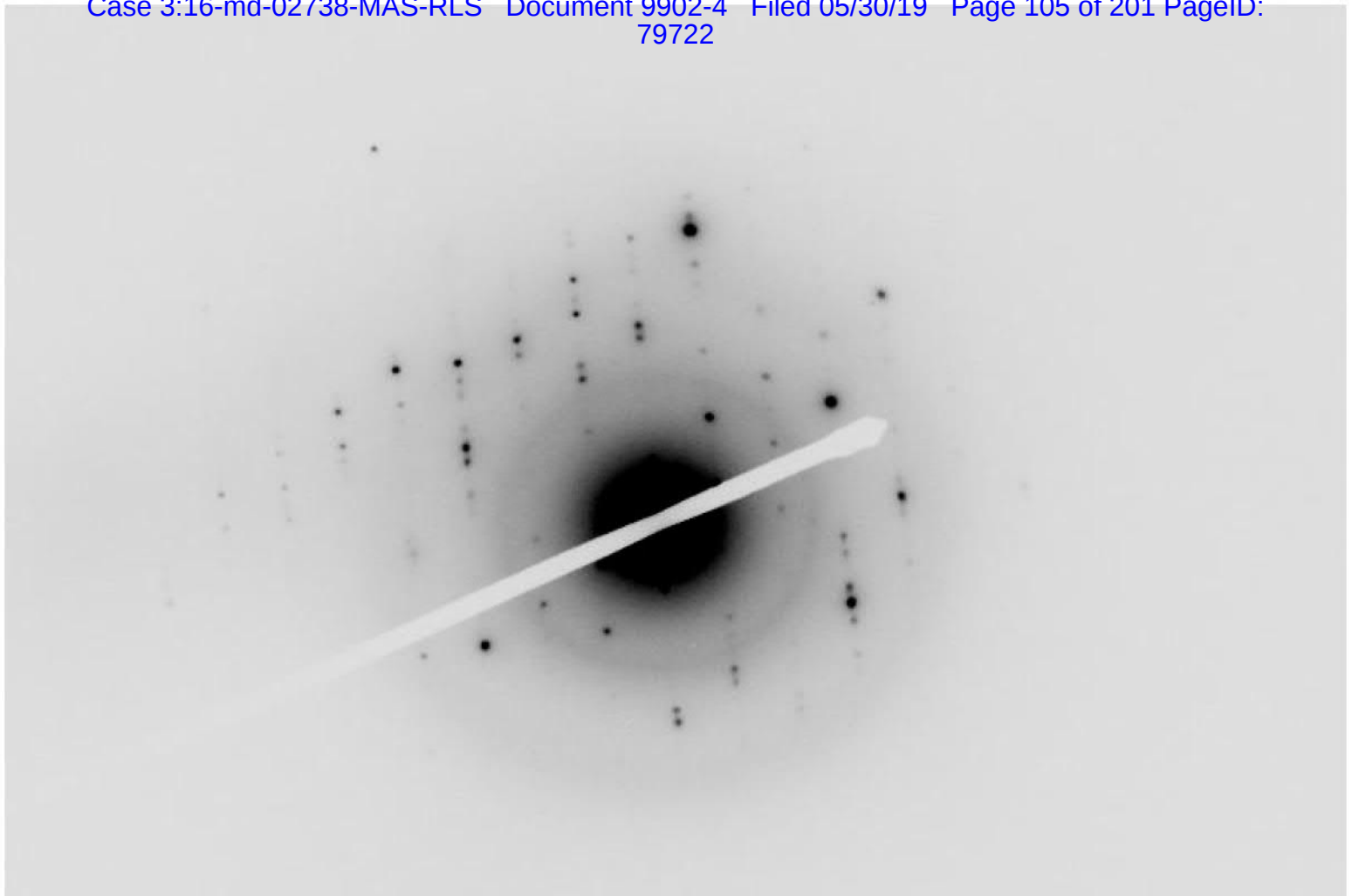




41396

M68503-028-003 Anthophyllite Diffraction 1 @ 50cm

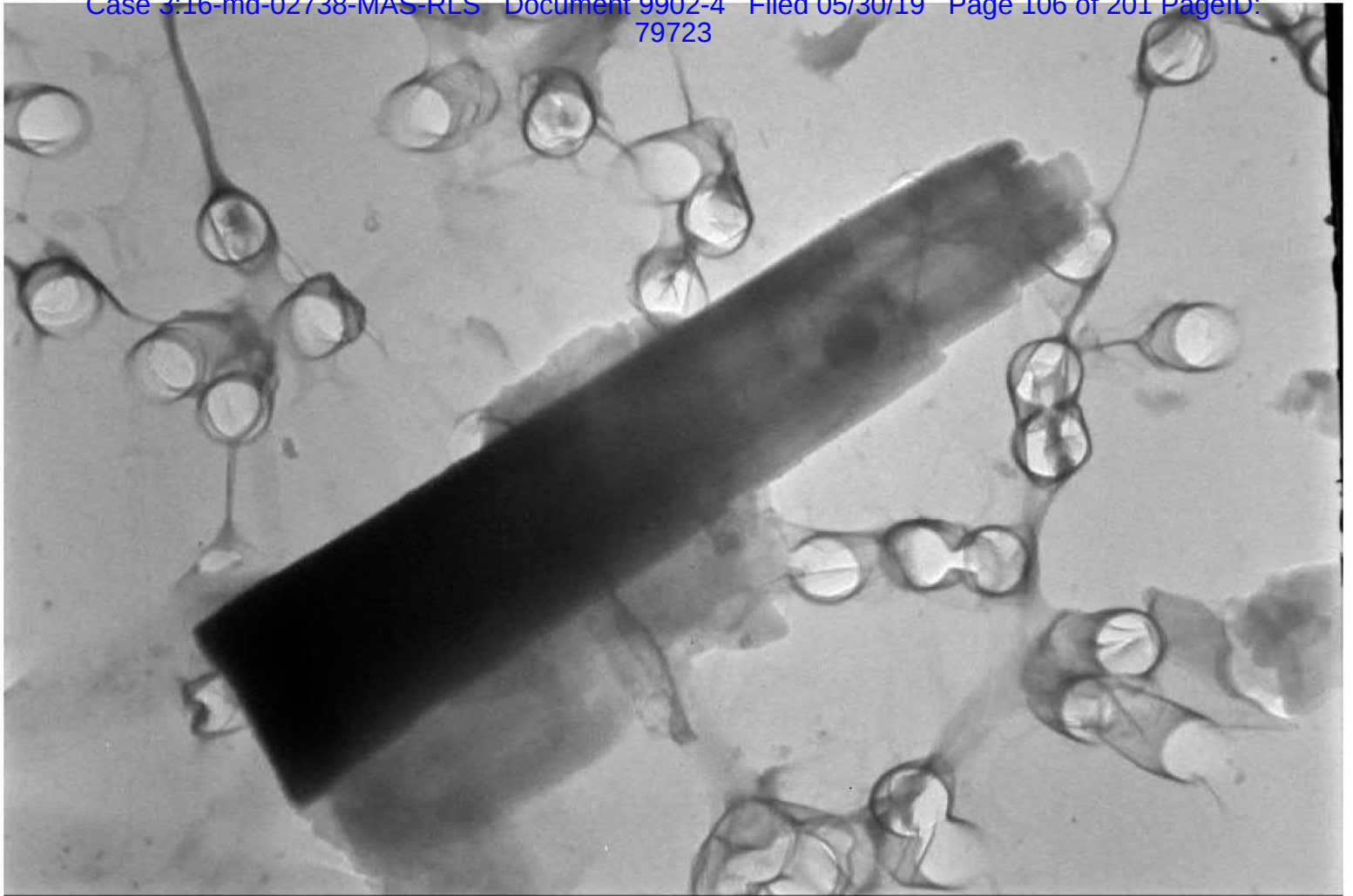
10/31/2018



41398

M68503-028-003 Anthophyllite Diffraction 2 @ 50cm

10/31/2018



41399

M68503-028-003 Anthophyllite (6.0um x 0.9um)

10/31/2018

TEM Bulk Talc Structure Count Sheet						
Project/ Sample No.	M68503-028		Grid Box #	8637	No. of Grids Counted	2
Analyst:	Mehrdad Motamedi			Length	Width	G.O. Area
Date of Analysis	10/31/208		G. O. in microns =	105	105	105
Initial Weight(g)	0.03135			105	105	105
Analysis Type	Post Separation Talc Analysis		Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
4	Screen Magnification	20 KX	Area Examined mm²			1.103

Str. #	Grid Opening	Str./Asb. Type	Length	Width	Ratio	SAED	EDS
NSA	B10					No Fibrous Talc Observed	

Section 9

**MAS, LLC
PLM ANALYSIS**

Proj#-Spl# M69042 - 001 Analyst Paul Hess Date 10/11/2018
 ClientName LEVY & KONIGSBERG ClientSpl 20180056-02D
 Location _____
 Type_Mat Johnson & Johnson Talcum Powder
 Gross Off-white powder % of Sample 100
 Visual _____

OPTICAL DATA FOR ASBESTOS IDENTIFICATION

Morphology	straight	straight	
Pleochroism	none	none	
Refract Index	1.635/1.620	1.630/1.615	
Sign^	positive	positive	
Extinction	oblique	parallel	
Birefringence	moderate	moderate	
Melt	no	no	
Fiber Name	Actinolite/Tremolite	Anthophyllite	

ASBESTOS MINERALS

EST. VOL. %

Chrysotile.....	_____
Amosite.....	_____
Crocidolite.....	_____
Tremolite/Actinolite.....	< 0.1
Anthophyllite.....	< 0.1

OTHER FIBROUS COMPONENTS

Talc -B/Y DS in 1.55	***
_____	_____
_____	_____
_____	_____
_____	_____

NON FIBROUS COMPONENTS

Opaques	X
Talc	X
Mineral grains	X
_____	_____

Binder Description _____

Comments Actinolite/Tremolite and Anthophyllite asbestos observed. ***Moderate amount of fibrous talc observed. X=Materials Detected.

The method detection limit is 1% unless otherwise stated.

**MAS, LLC
PLM ANALYSIS**

Proj#-Spl# M69042 - 001BL Analyst Paul Hess Date 10/15/2018
 ClientName LEVY & KONIGSBERG ClientSpl 20180056-02D
 Location _____
 Type_Mat Johnson & Johnson Talcum Powder
 Gross White debris on slide % of Sample 100
 Visual _____

OPTICAL DATA FOR ASBESTOS IDENTIFICATION

Morphology	straight		
Pleochroism	none		
Refract Index	1.635/1.620		
Sign^	positive		
Extinction	oblique		
Birefringence	moderate		
Melt	no		
Fiber Name	Actinolite/Tremolite		

ASBESTOS MINERALS

EST. VOL. %

Chrysotile.....
 Amosite.....
 Crocidolite.....
 Tremolite/Actinolite..... < 0.1
 Anthophyllite.....

OTHER FIBROUS COMPONENTS

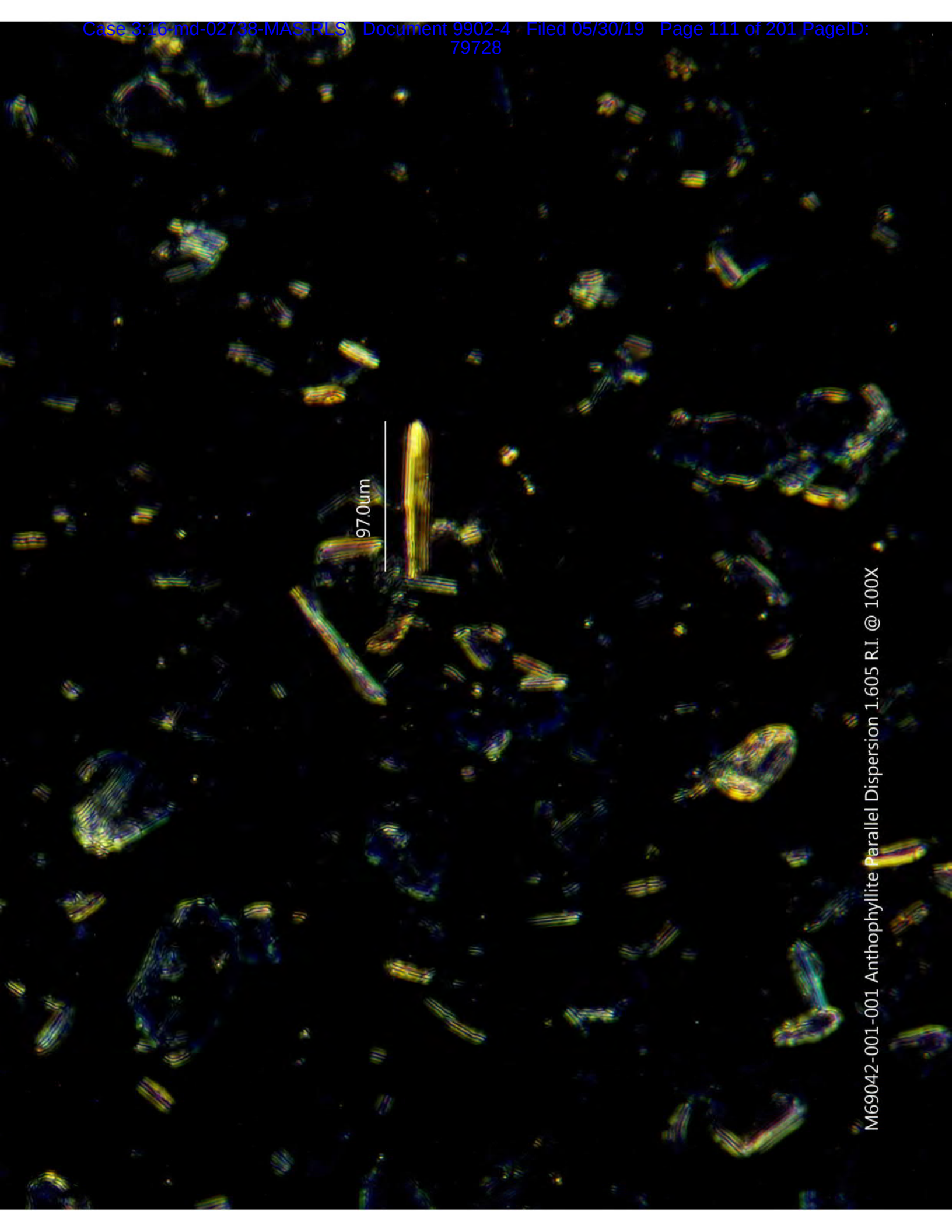
NON FIBROUS COMPONENTS

Opagues _____ X
 Talc _____ X
 Mineral grains _____ X

Binder Description _____

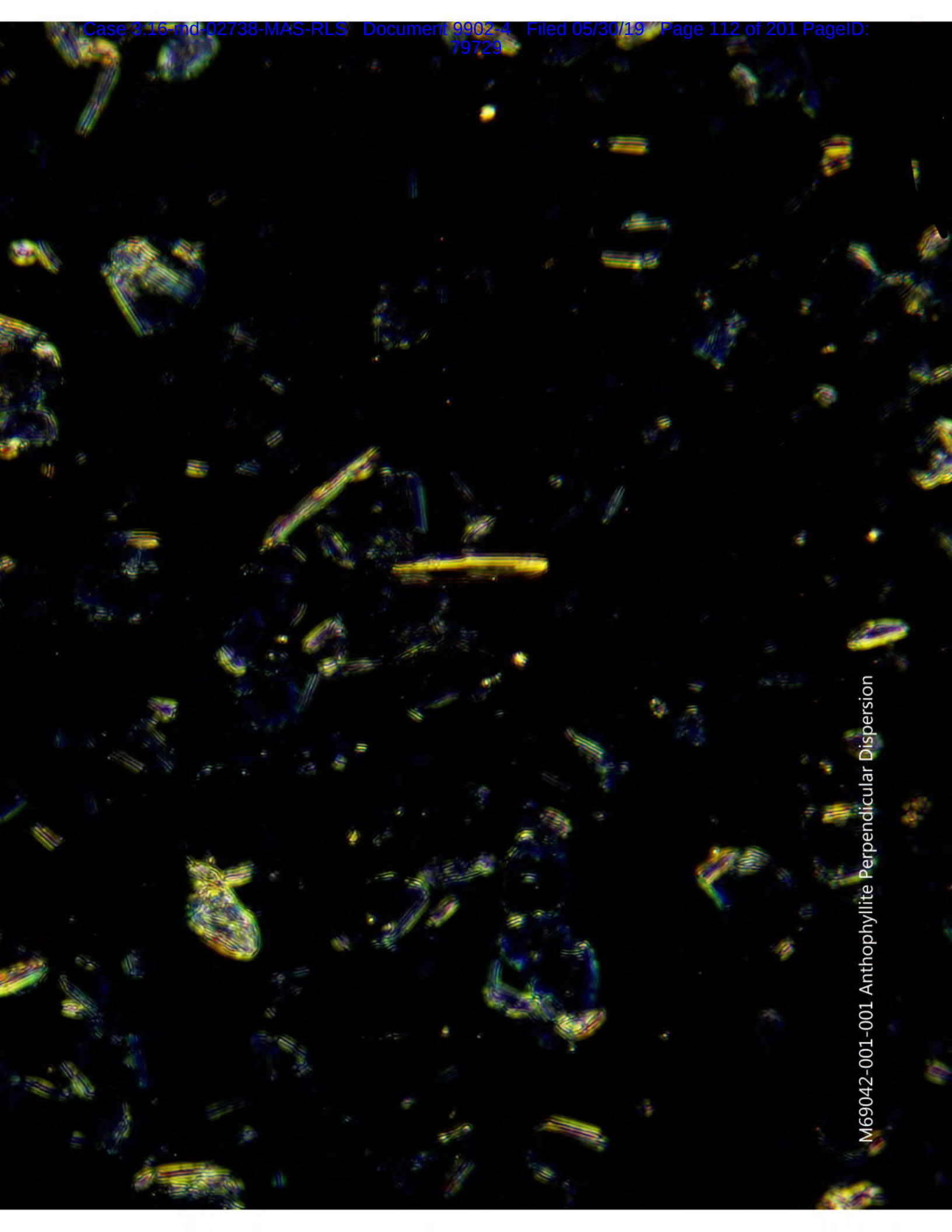
Comments Actinolite/Tremolite asbestos observed. X=Materials Detected.

The method detection limit is 1% unless otherwise stated.

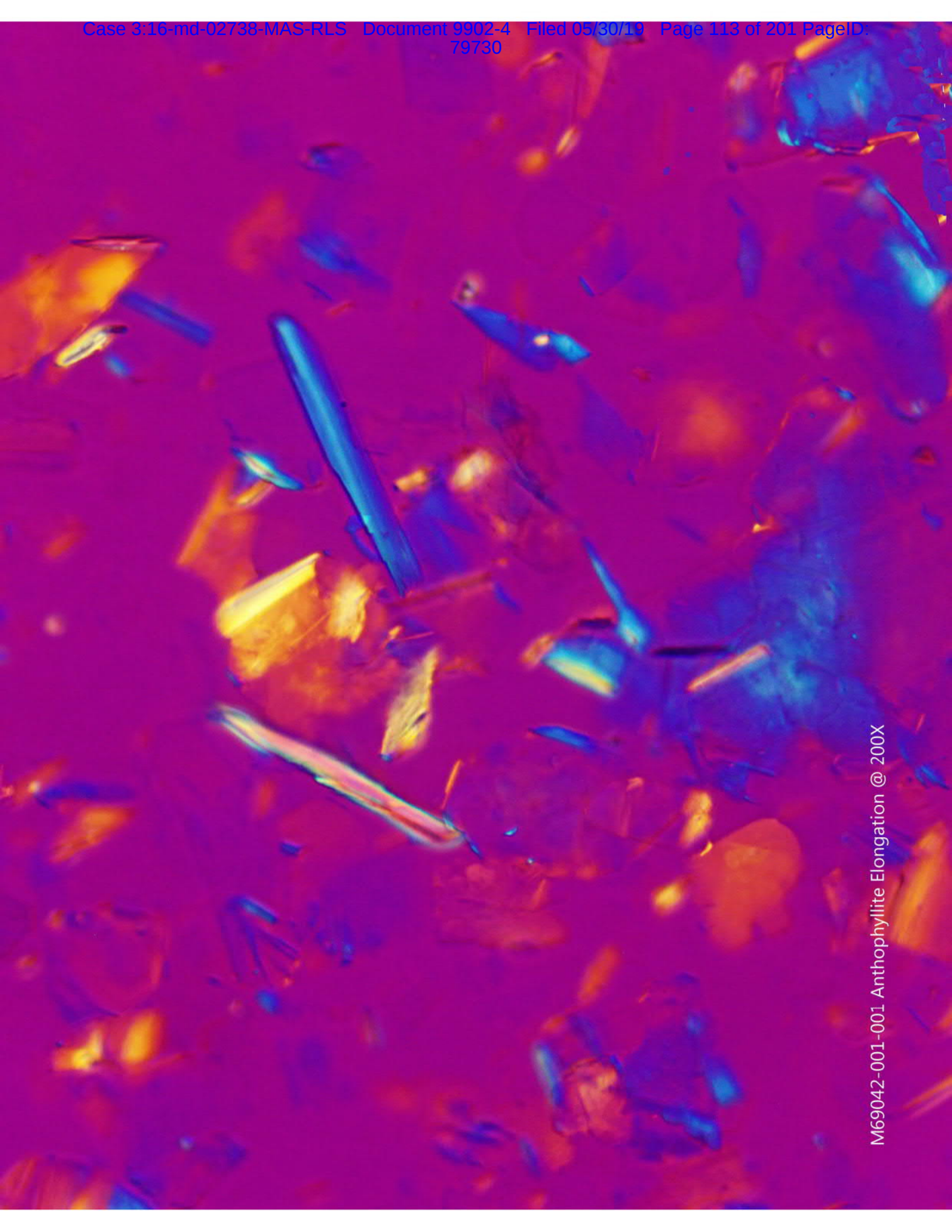


97.0um

M69042-001-001 Anthophyllite Parallel Dispersion 1.605 R.I. @ 100X



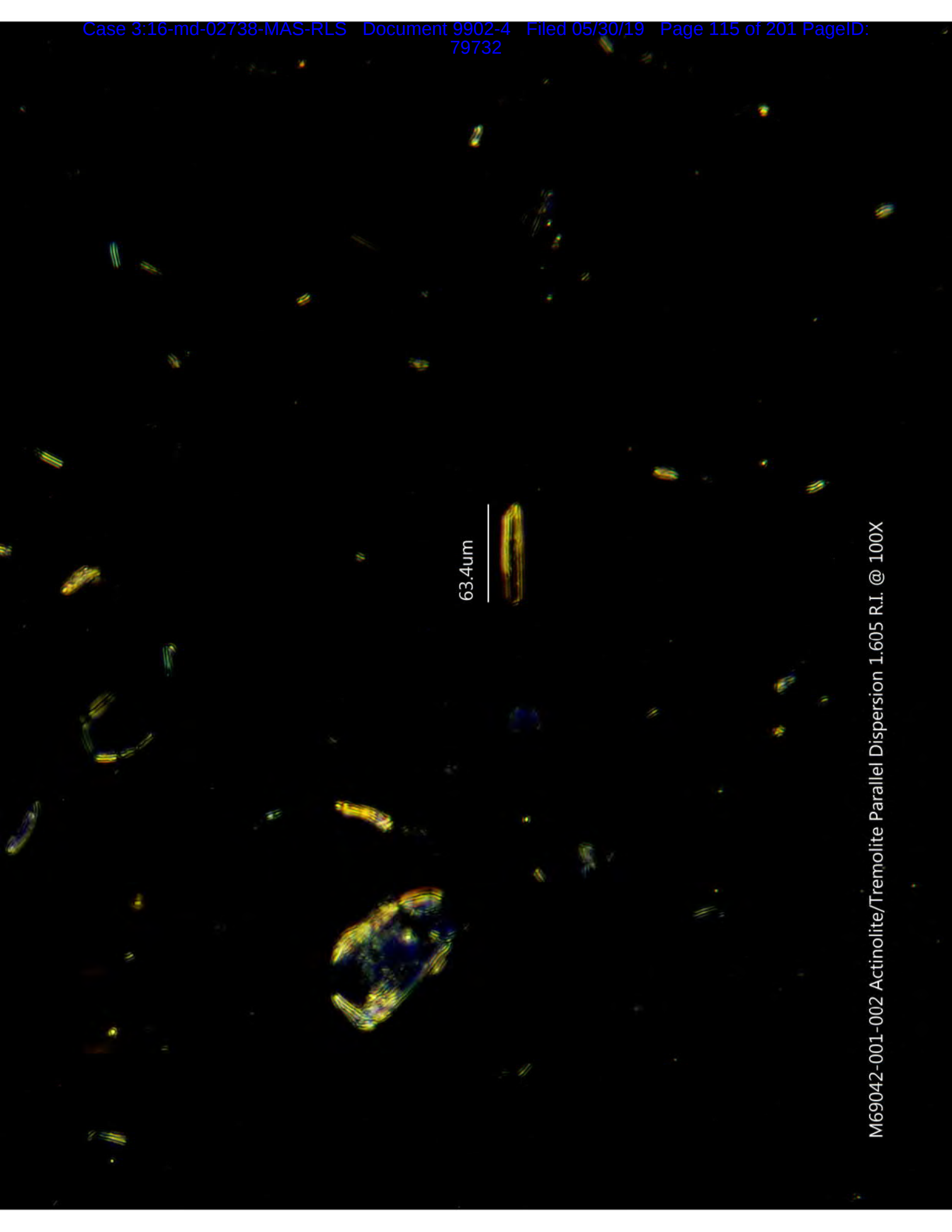
M69042-001-001 Anthophyllite Perpendicular Dispersion



M69042-001-001 Anthophyllite Elongation @ 200X



M69042-001-001 Anthophyllite Crossed Polars

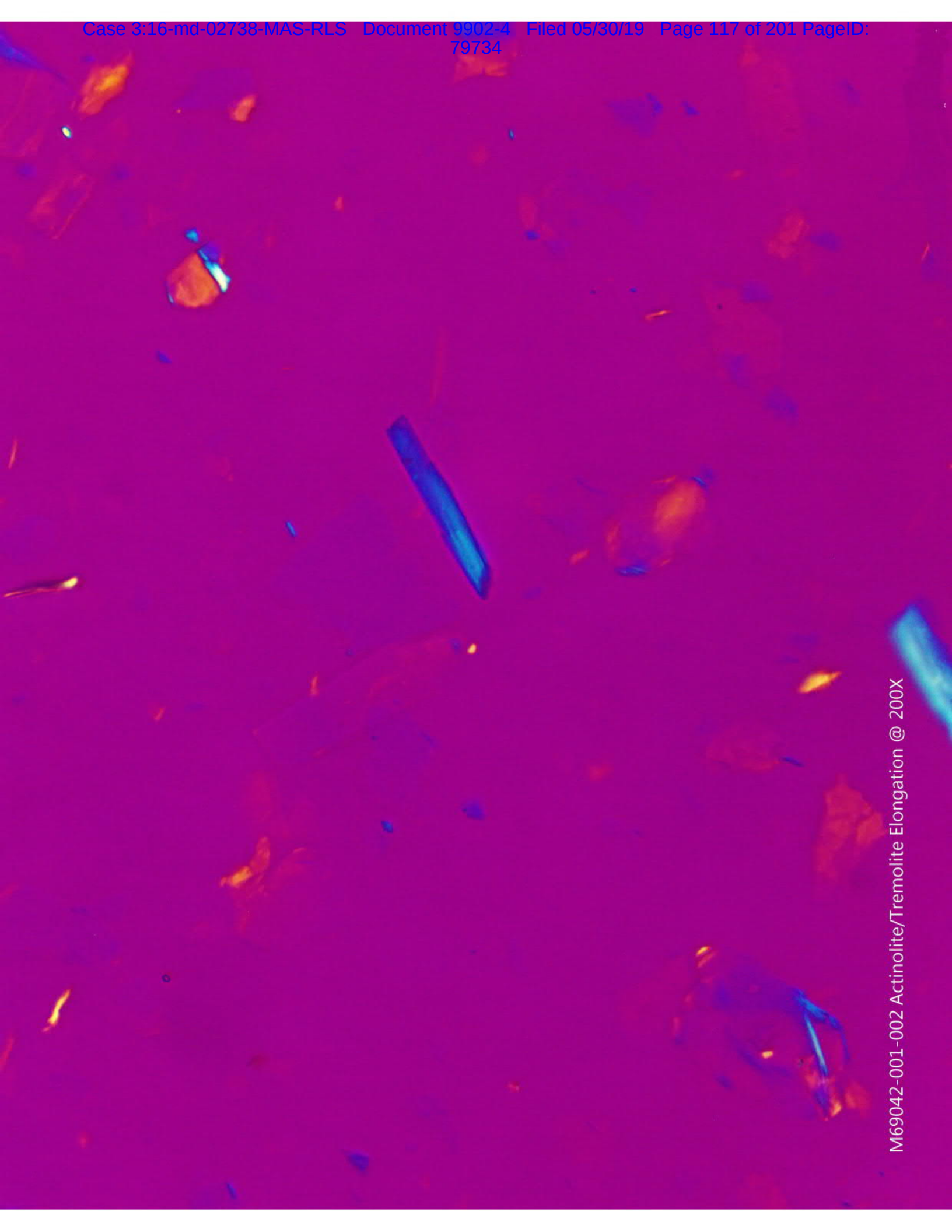


63.4um

M69042-001-002 Actinolite/Tremolite Parallel Dispersion 1.605 R.I. @ 100X

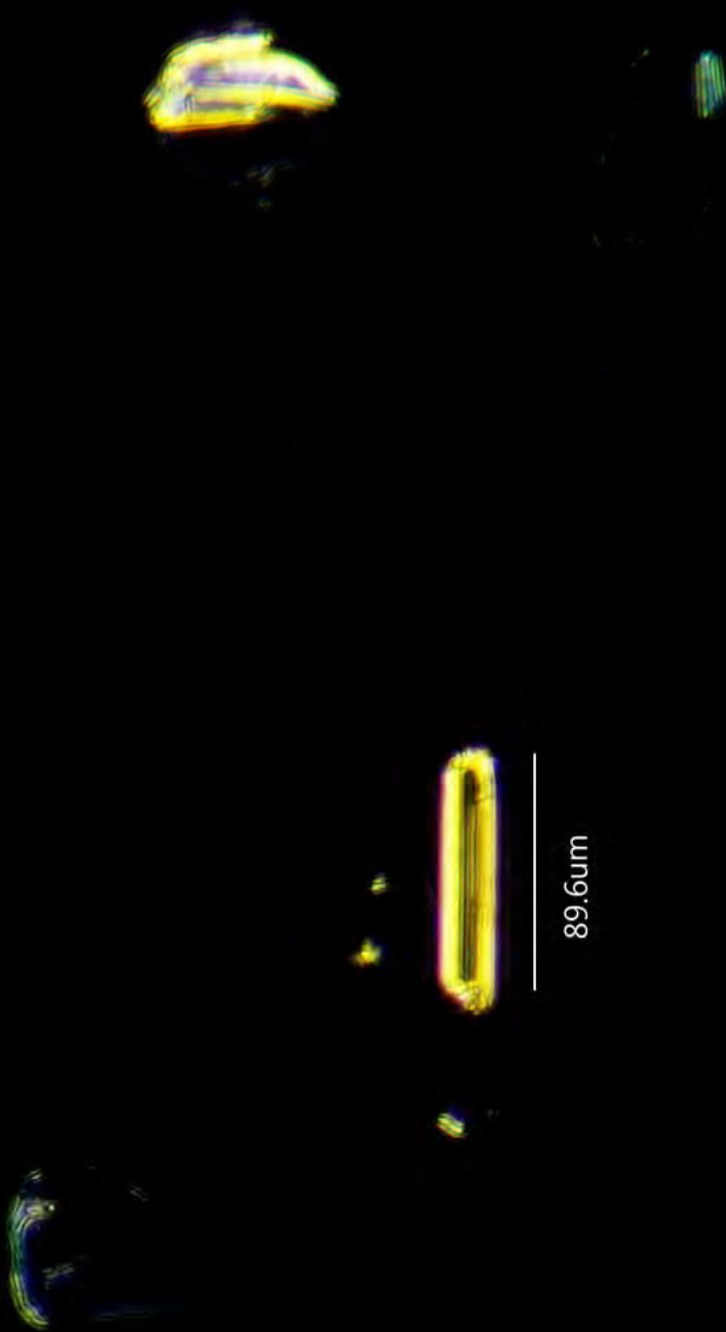


M69042-001-002 Actinolite/Tremolite Perpendicular Dispersion



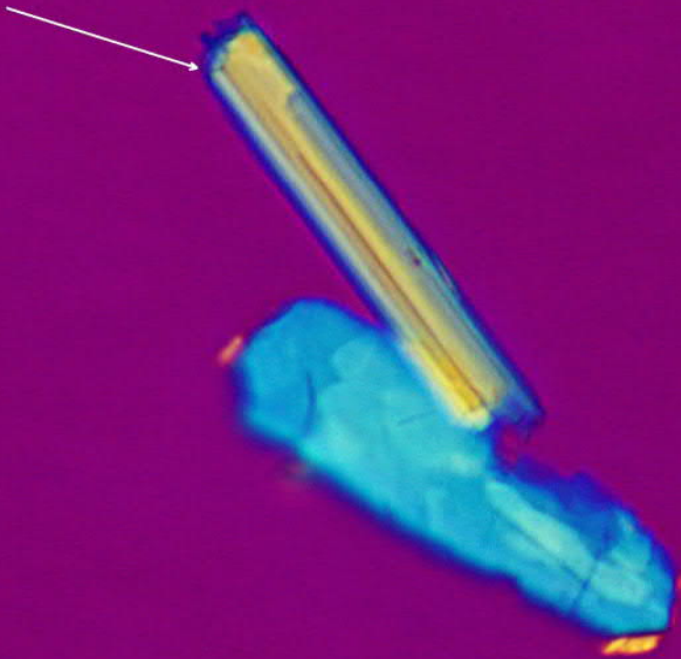
M69042-001-002 Actinolite/Tremolite Elongation @ 200X

M69042-001-002 Actinolite/Tremolite Crossed Polars

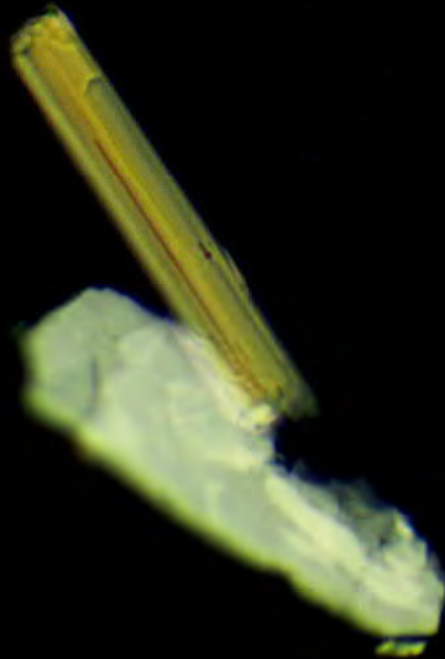


M69042-001BL-001 Actinolite/Tremolite Parallel Dispersion 1.605 R.I. @ 100X

M69042-001BL-001 Actinolite/Tremolite Perpendicular Dispersion



M69042-001BL-001 Actinolite/Tremolite Elongation @ 200X



M69042-001BL-001 Actinolite/Tremolite Crossed Polars

TEM Bulk Talc Structure Count Sheet						
Project/ Sample No.	M69042-001		Grid Box #	8637	No. of Grids Counted	2
Analyst:	Mehrdad Motamedi			Length	Width	G. O. Area
Date of Analysis	10/25/2018-10/26/2018		G. O. in microns =	105	105	11025
Initial Weight(g)	0.04077			105	105	11025
Analysis Type	Post Separation Talc Analysis		Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
4	Screen Magnification	20 KX	Area Examined mm²			1.103

Str. #	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
NSD	A2-A1							
NSD	A2							
NSD	A3							
NSD	A4							
NSD	A5							
NSD	A6							
NSD	A7							
NSD	A8							
NSD	A9							
NSD	A10							
NSD	B1							
NSD	B2							
NSD	B3							
NSD	B4							
NSD	B5							
NSD	B6							
NSD	B7							
1	B8	Fiber	Anthophyllite	14.4	0.4	36.0	X	X
NSD	B9							
NSD	B10							
NSD	C1							
NSD	C2							
NSD	C3							
NSD	C4							
NSD	C5							
NSD	C6							
NSD	C7							
NSD	C8							
NSD	C9							
NSD	C10							
NSD	D1							
NSD	D2							
NSD	D3							
NSD	D4							
NSD	D5							
NSD	D6							
NSD	D7							
NSD	D8							
NSD	D9							
2	D10	Fiber	Anthophyllite	2.3	0.4	5.8	X	X
NSD	E1							
NSD	E2							
NSD	E3							
NSD	E4							
NSD	E5							
NSD	E6							
NSD	E7							
NSD	E8							
NSD	E9							
NSD	E10							

TEM Bulk Talc Structure Count Sheet						
Project/ Sample No.	M69042-001		Grid Box #	8637	No. of Grids Counted	2
Analyst:	Mehrdad Motamedi			Length	Width	G. O. Area
Date of Analysis	10/25/2018-10/26/2018		G. O. in microns =	105	105	11025
Initial Weight(g)	0.04077			105	105	11025
Analysis Type	Post Separation Talc Analysis		Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
4	Screen Magnification	20 KX	Area Examined mm ²			1.103

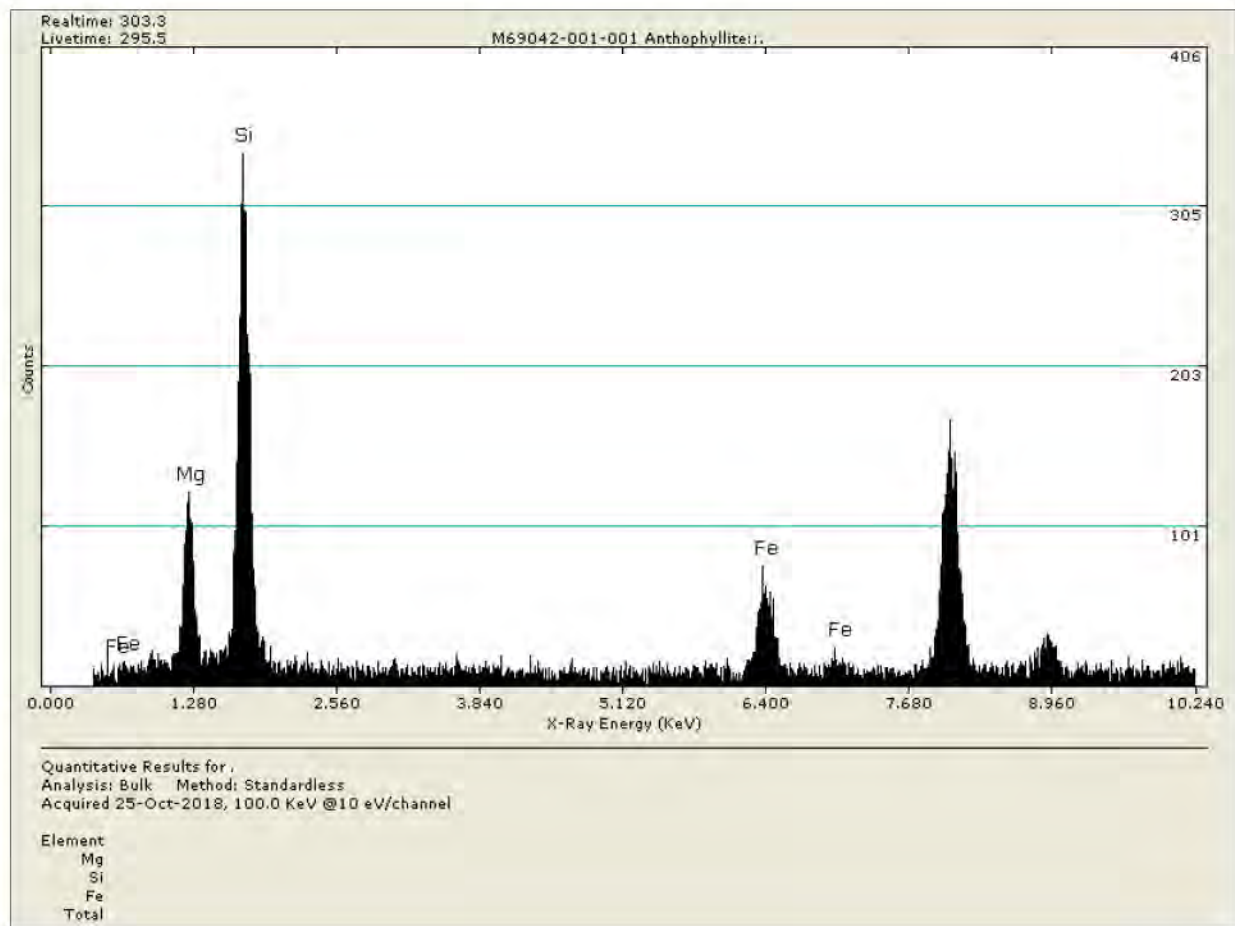
Str. #	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
NSD	A3-A1							
3	A2	Bundle	Anthophyllite	15.7	2	7.9	X	X
NSD	A3							
NSD	A4							
NSD	A5							
NSD	A6							
NSD	A7							
NSD	A8							
NSD	A9							
NSD	A10							
NSD	B1							
NSD	B2							
NSD	B3							
NSD	B4							
NSD	B5							
NSD	B6							
NSD	B7							
NSD	B8							
NSD	B9							
NSD	B10							
NSD	C1							
NSD	C2							
NSD	C3							
NSD	C4							
NSD	C5							
4	C6	Fiber	Anthophyllite	10	0.2	50.0	X	X
NSD	C7							
NSD	C8							
NSD	C9							
5	C10	Bundle	Anthophyllite	22.5	2.5	9.0	X	X
NSD	D1							
NSD	D2							
NSD	D3							
NSD	D4							
NSD	D5							
NSD	D6							
NSD	D7							
NSD	D8							
NSD	D9							
NSD	D10							
NSD	E1							
NSD	E2							
NSD	E3							
NSD	E4							
NSD	E5							
NSD	E6							
NSD	E7							
NSD	E8							
NSD	E9							
NSD	E10							

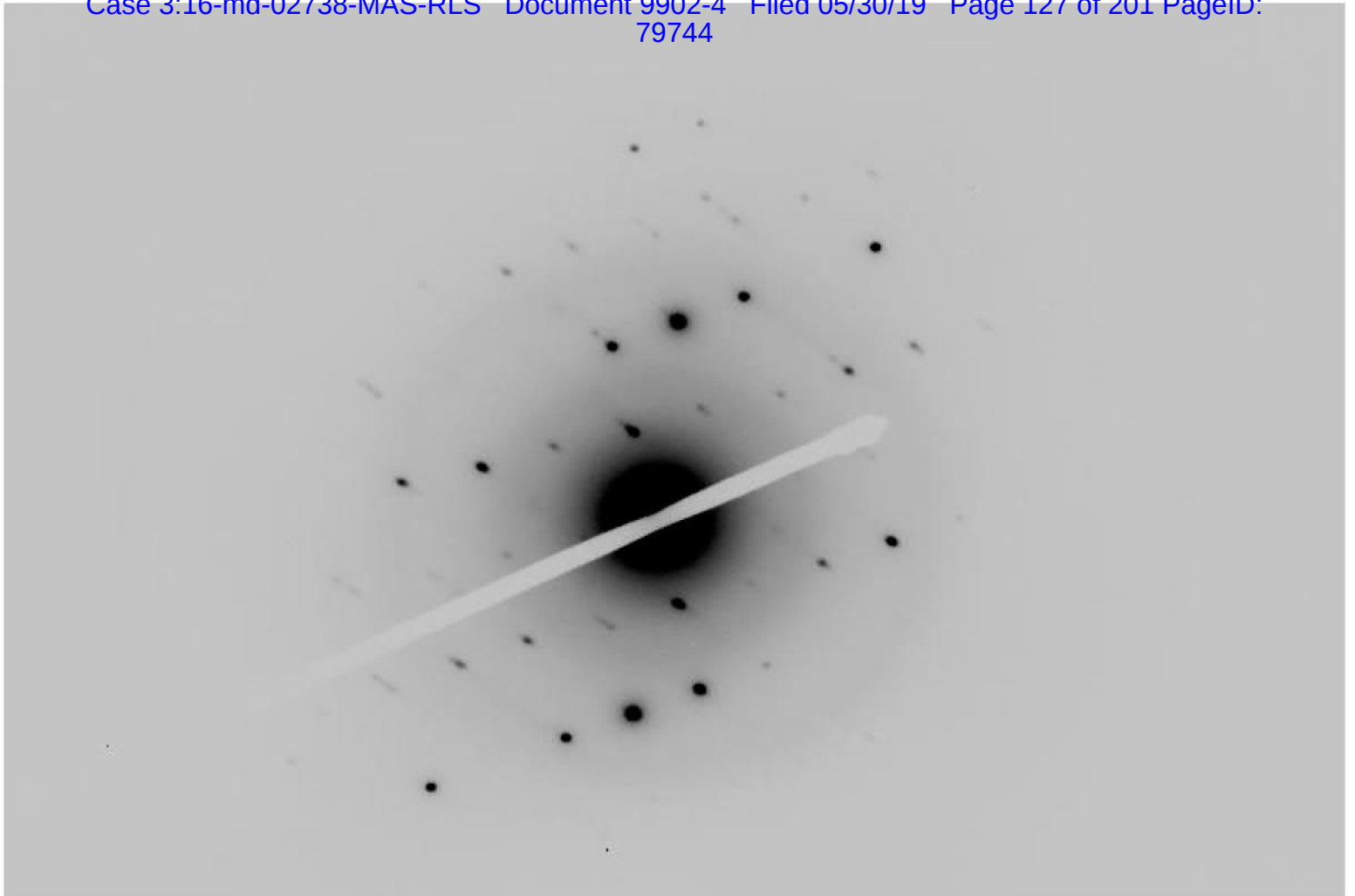
TEM Bulk Talc Structure Count Sheet						
Project/ Sample No.	M69042-001		Grid Box #	8637	No. of Grids Counted	2
Analyst:	Mehrdad Motamedi			Length	Width	G. O. Area
Date of Analysis	10/25/2018-10/26/2018		G. O. in microns =	105	105	11025
Initial Weight(g)	0.04077			105	105	11025
Analysis Type	Post Separation Talc Analysis		Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
4	Screen Magnification	20 KX	Area Examined mm ²			1.103

Str. #	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
--------	--------------	-----------	------------------	--------	-------	-------	------	-----

Org. Sample Wt.	Sample Wt. Post HL Separation	
0.04077	0.04077	g
Percent of Orig. Post Separation	100	(%)
Wt. Of Sample Analyzed	0.00022352	g
Filter size	201.1	mm ²
Number of Structures Counted	5	Str.
Structures per Gram of Sample	2.24E+04	Str./g

Detection Limit	4.47E+03	Str./g
Analytical Sensitivity	4.47E+03	Str./g

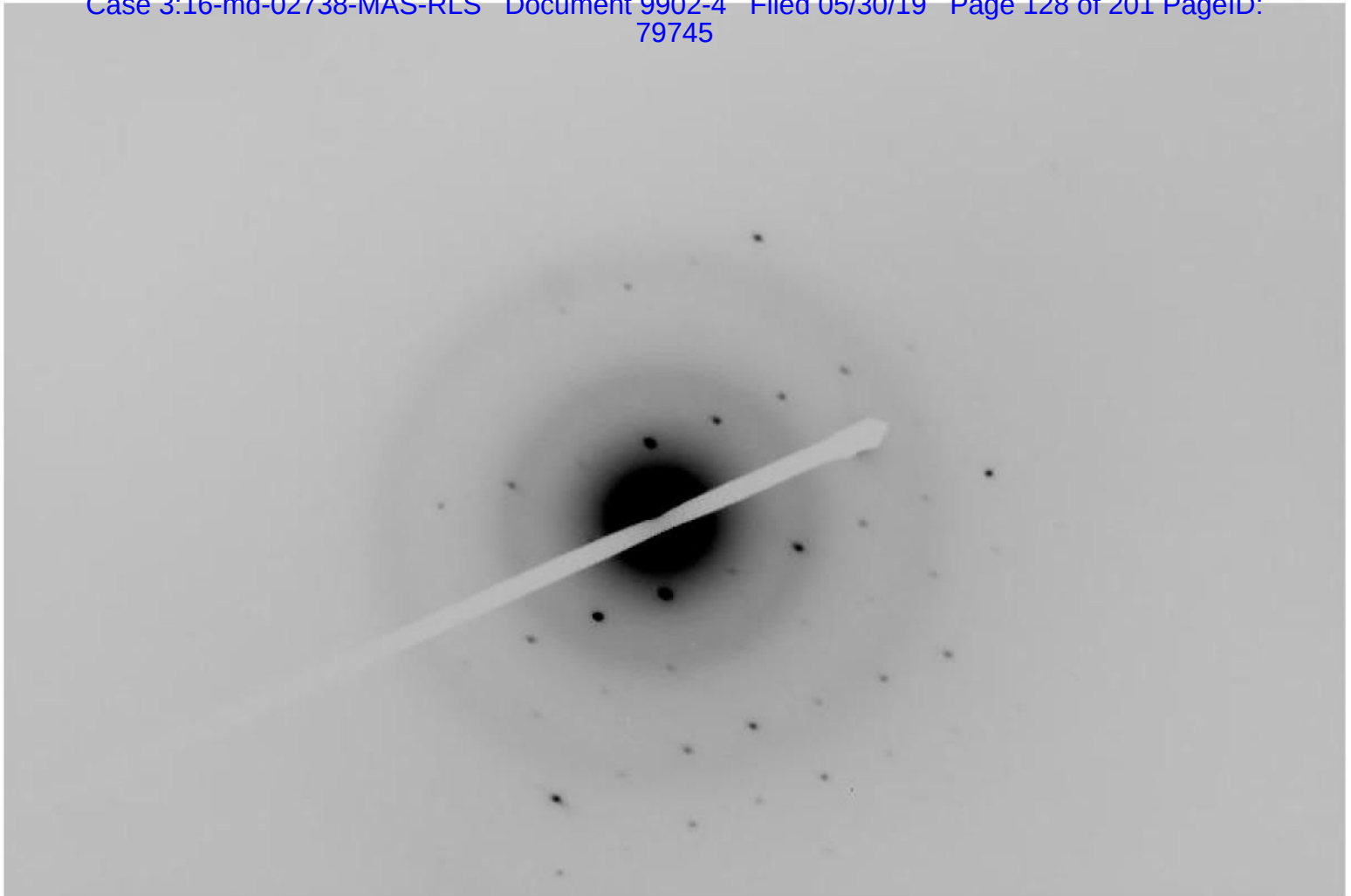




41326

M69042-001-001 Anthophyllite Diffraction 1 @ 50cm

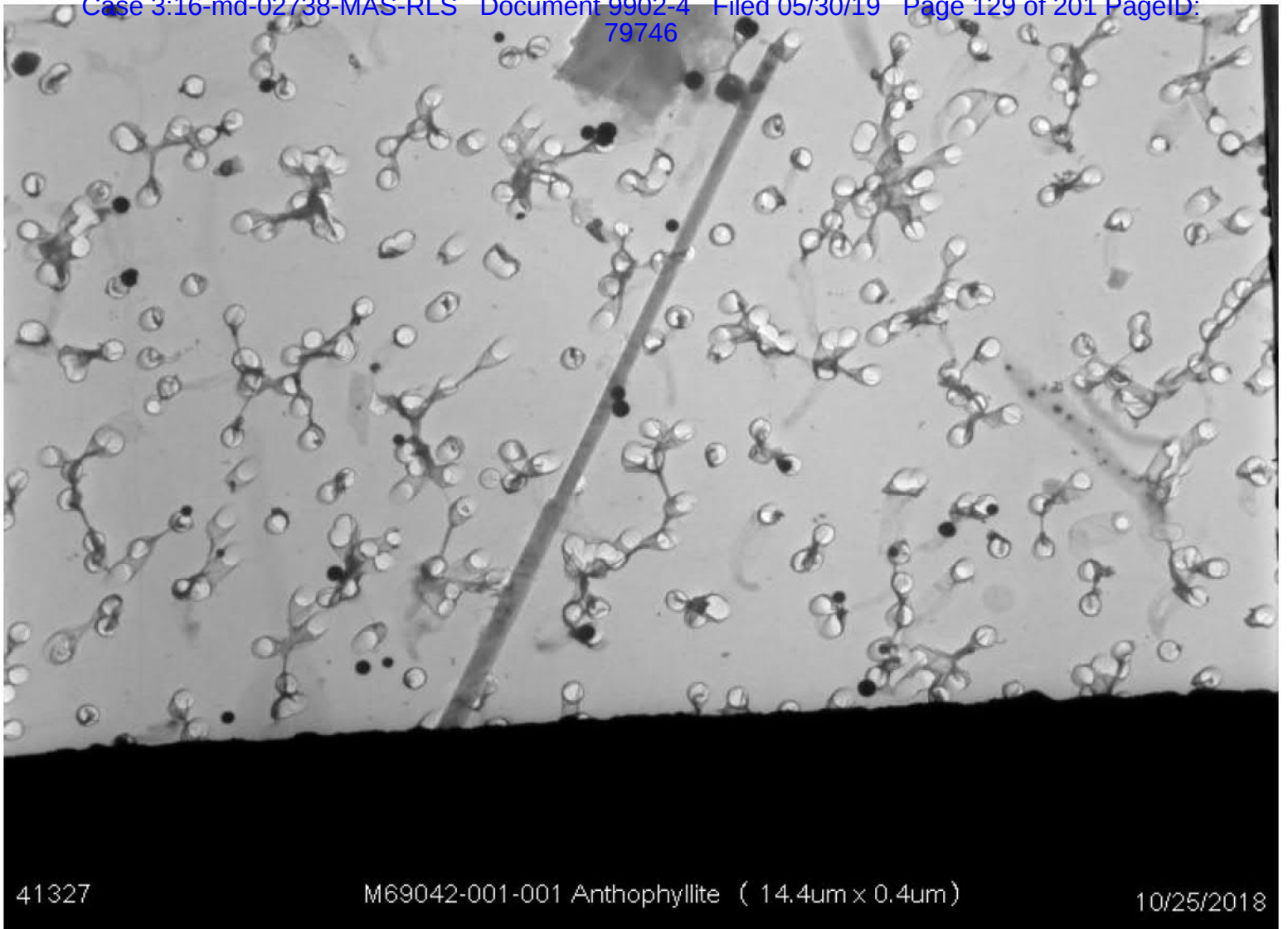
10/25/2018



41330

M69042-001-001 Anthophyllite Diffraction 2 @ 50cm

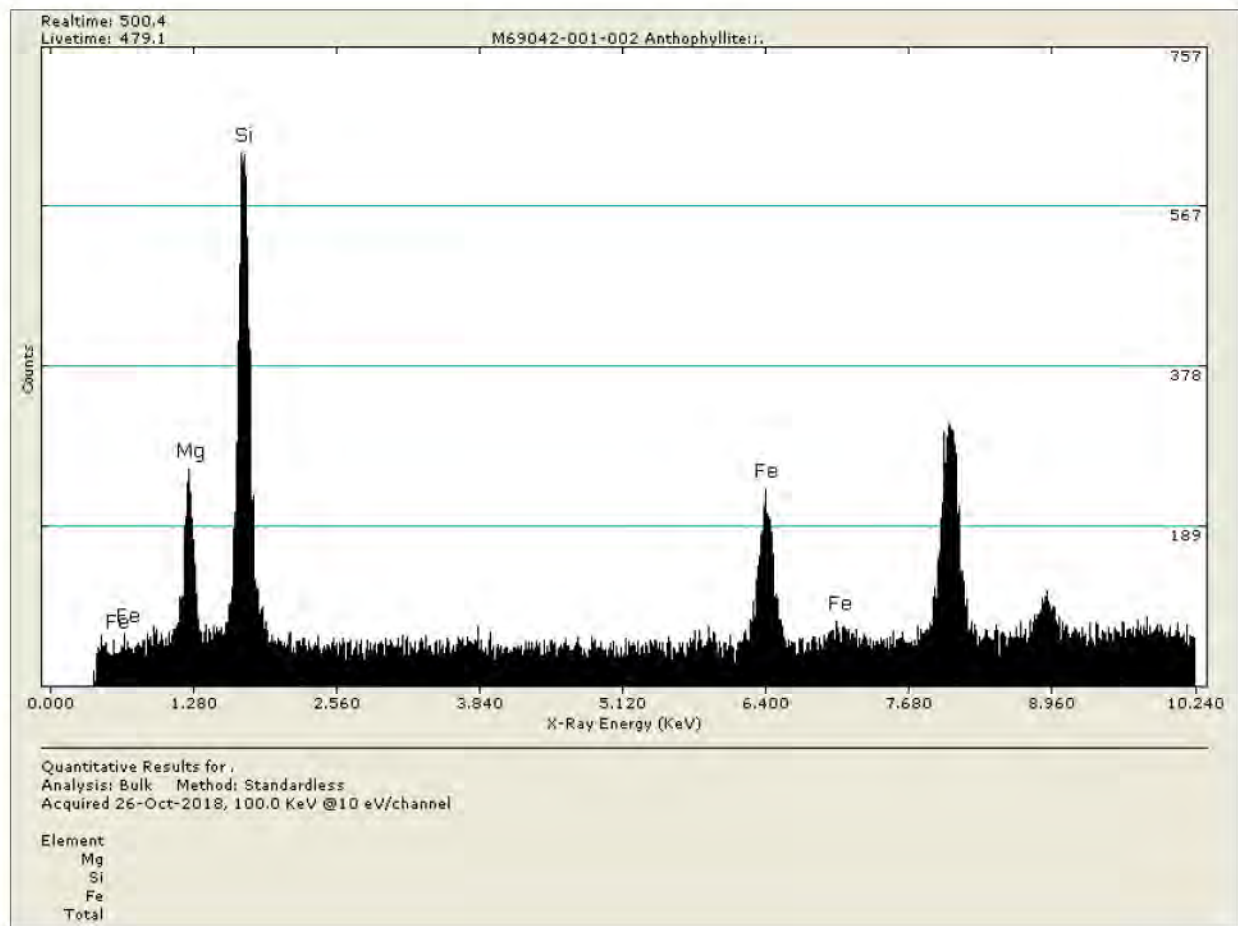
10/26/2018

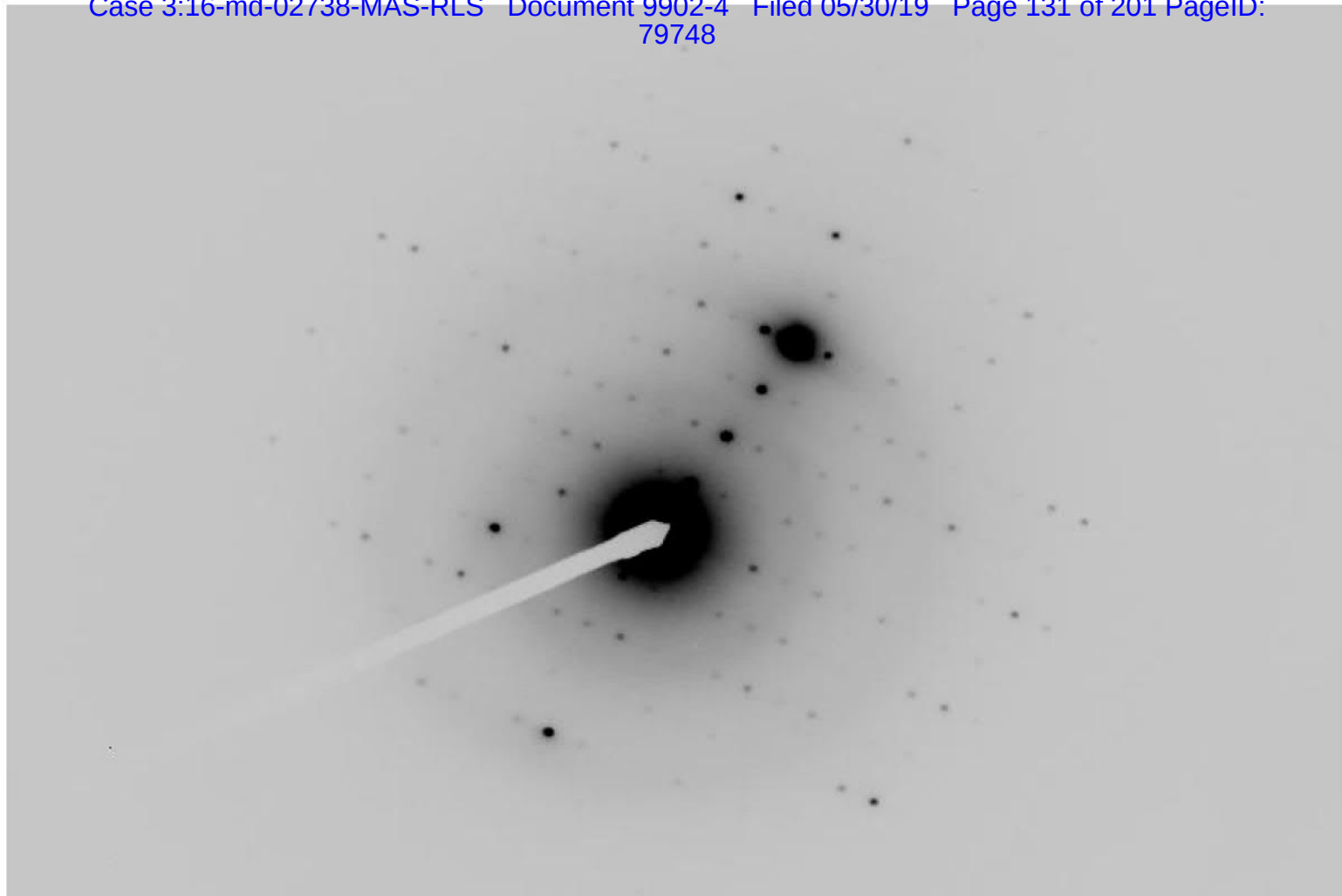


41327

M69042-001-001 Anthophyllite (14.4um x 0.4um)

10/25/2018

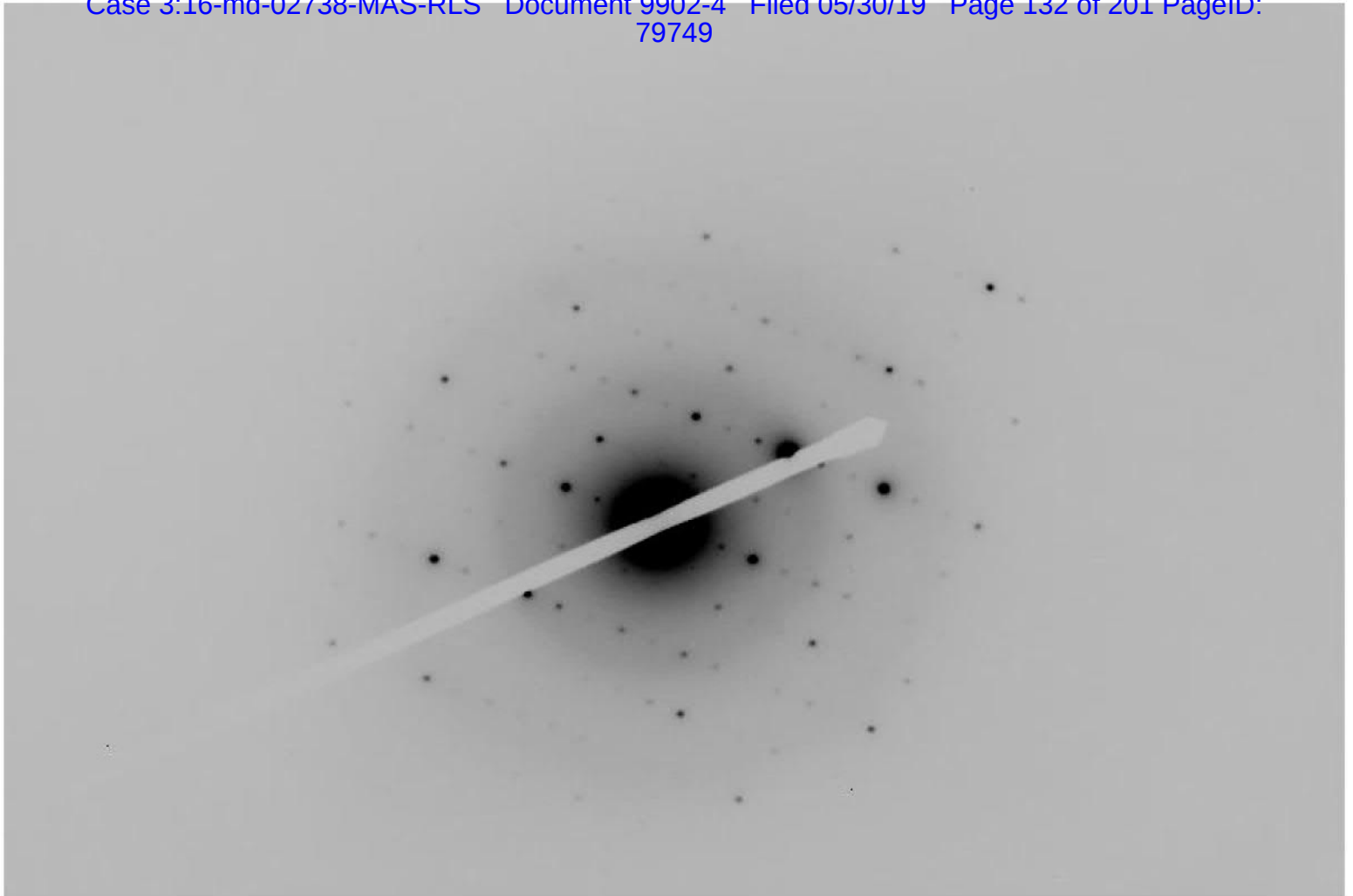




41332

M69042-001-002 Anthophyllite Diffraction 1 @ 50cm

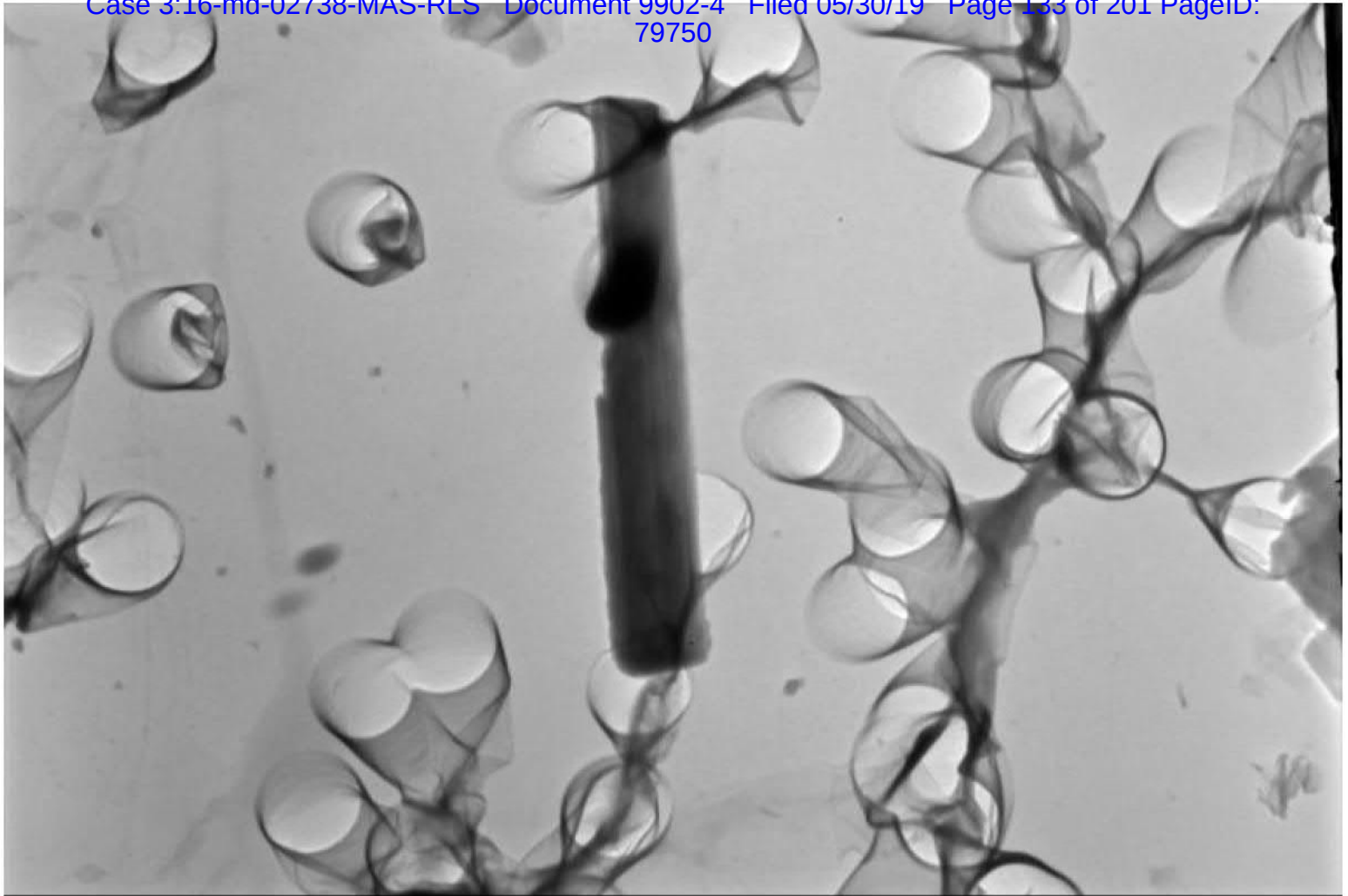
10/26/2018



41334

M69042-001-002 Anthophyllite Diffraction 2 @ 50cm

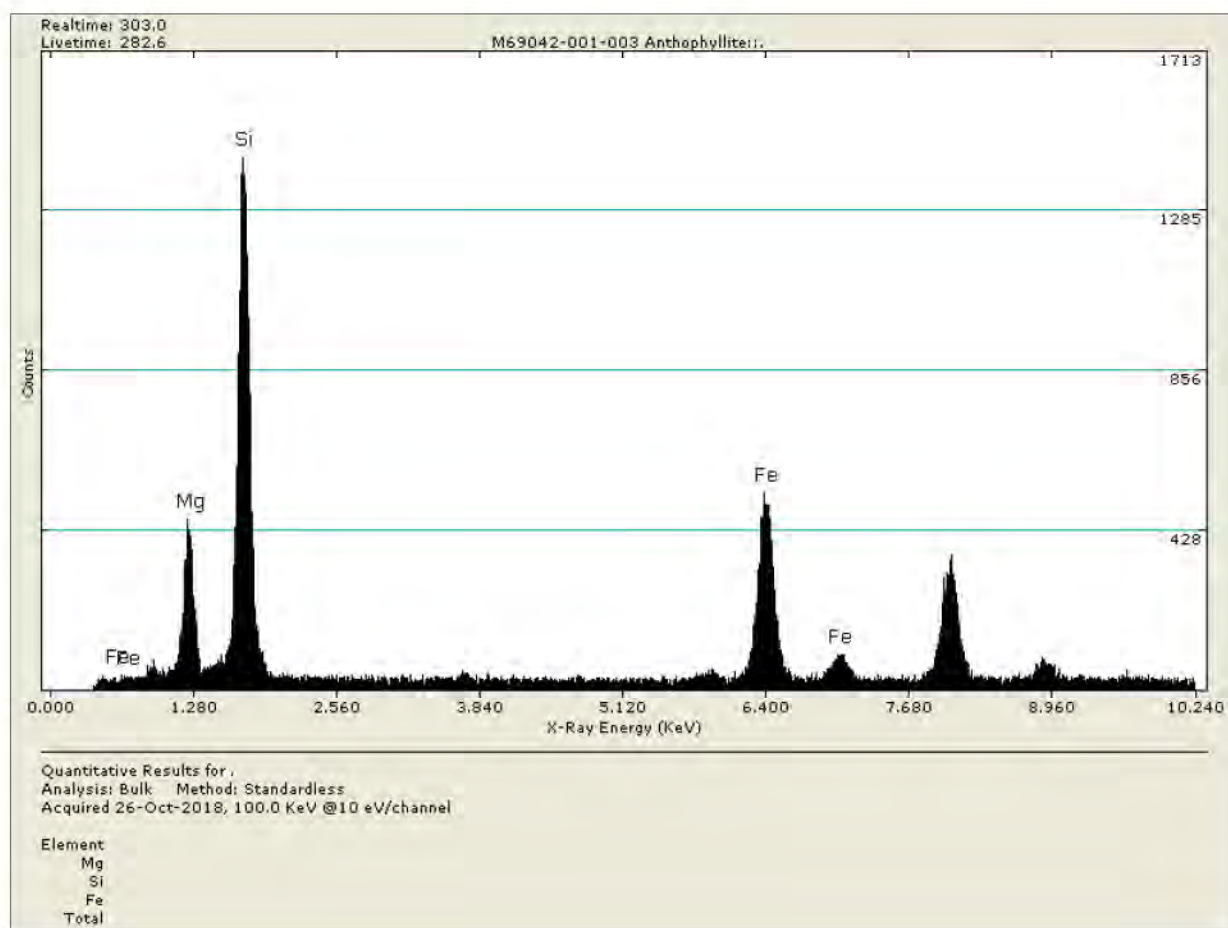
10/26/2018

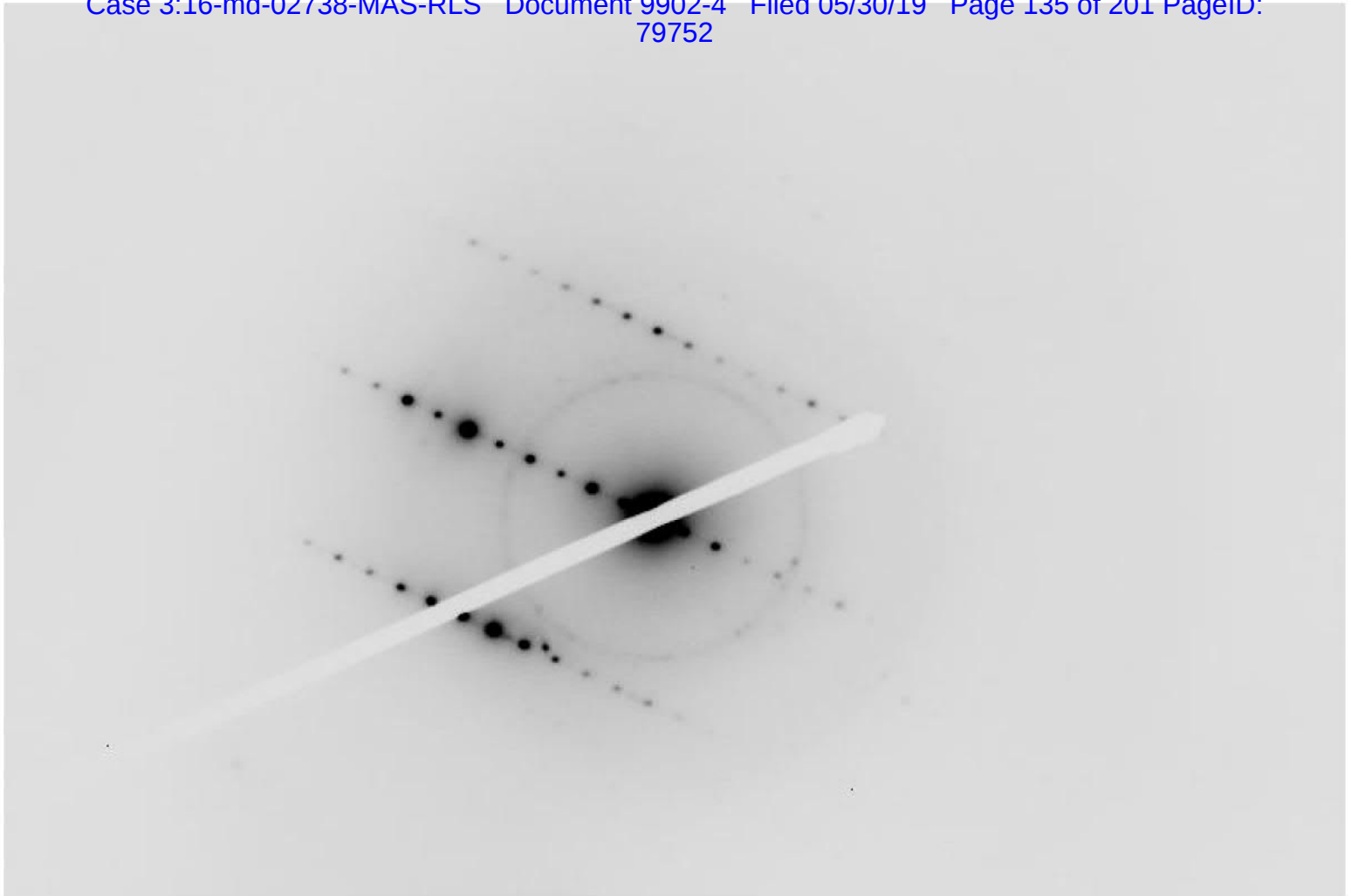


41333

M69042-001-002 Anthophyllite (2.3um x 0.4um)

10/26/2018

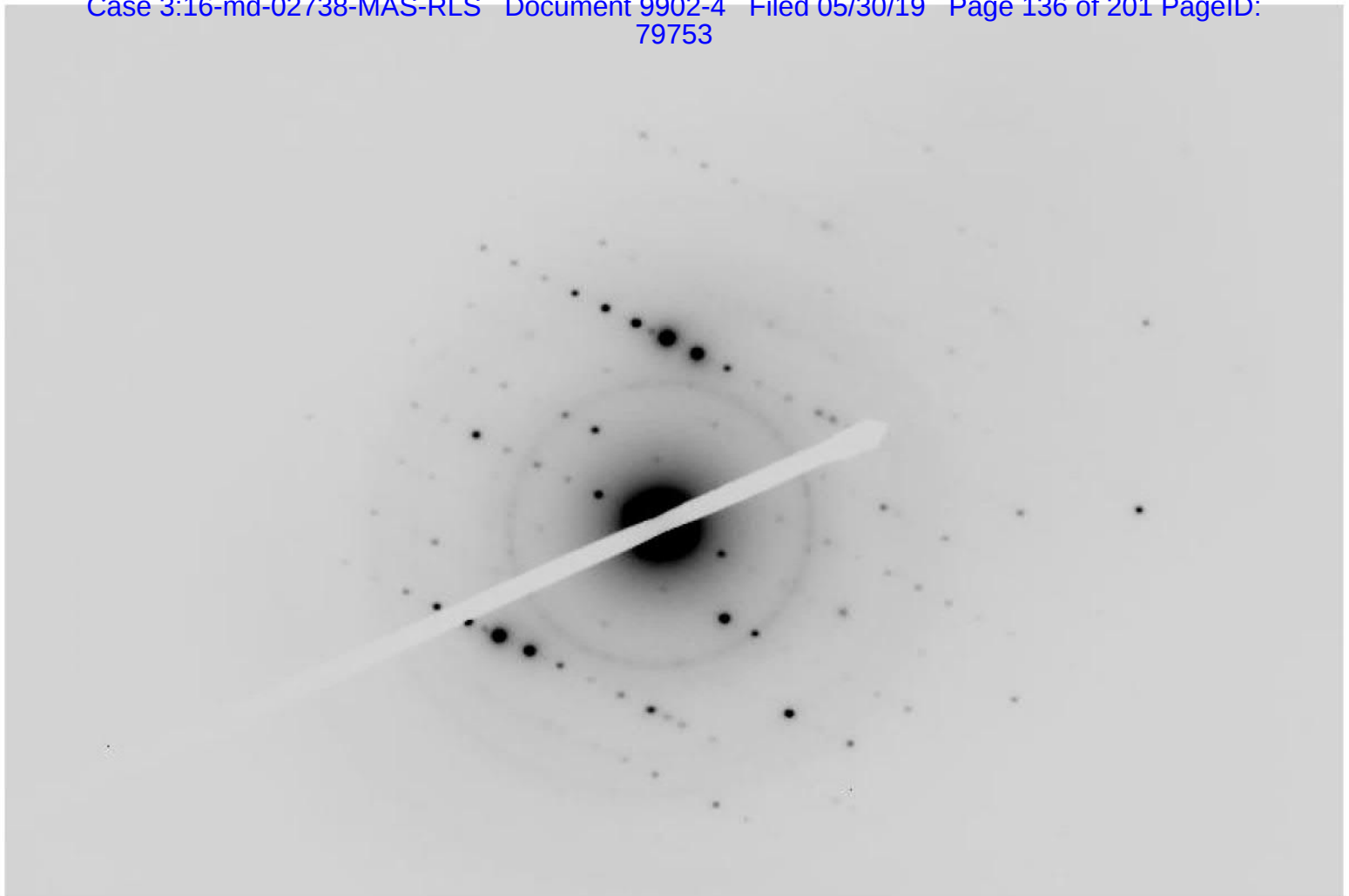




41335

M69042-001-003 Anthophyllite Diffraction 1 @ 50cm

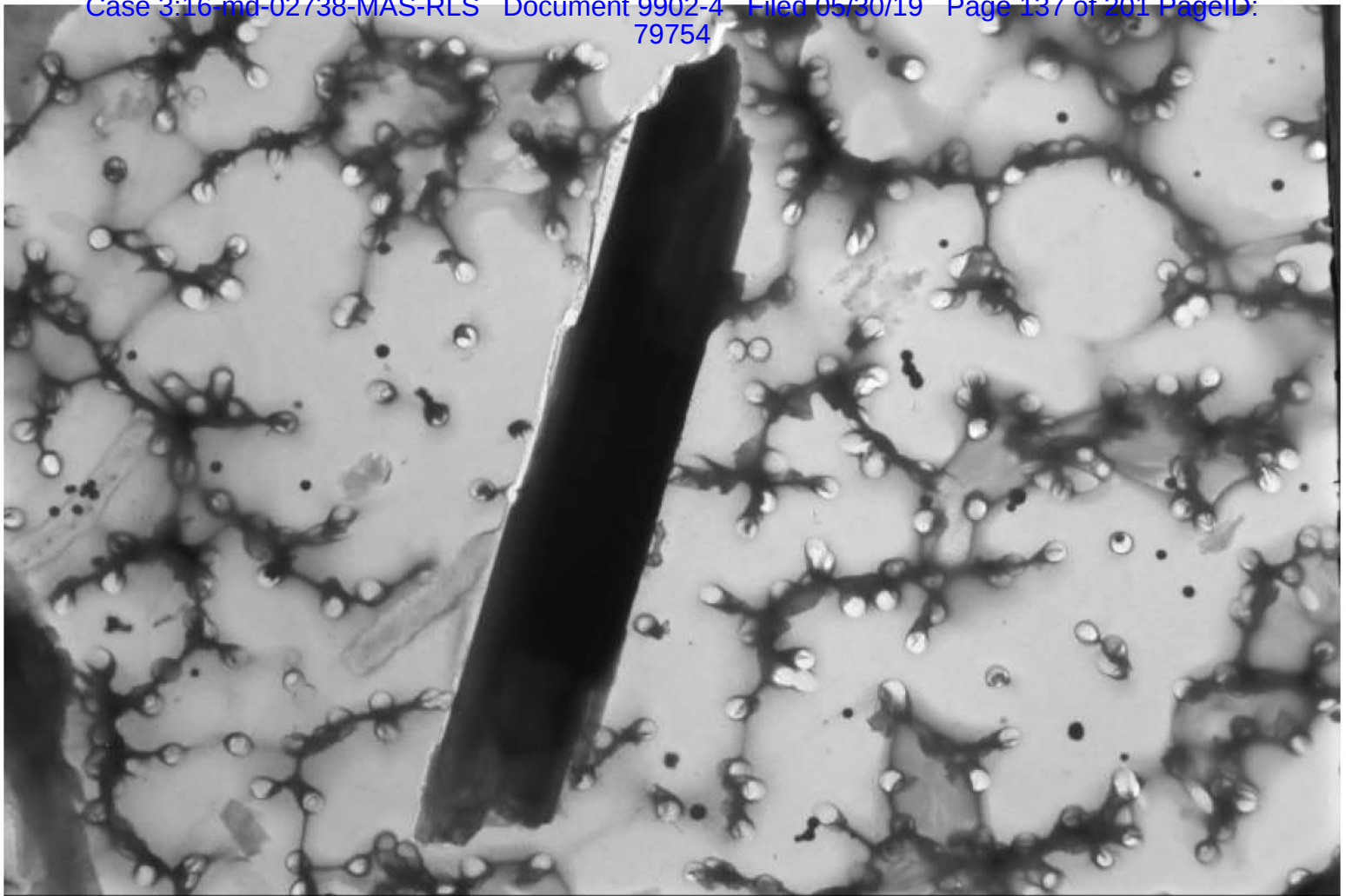
10/26/2018



41336

M69042-001-003 Anthophyllite Diffraction 2 @ 50cm

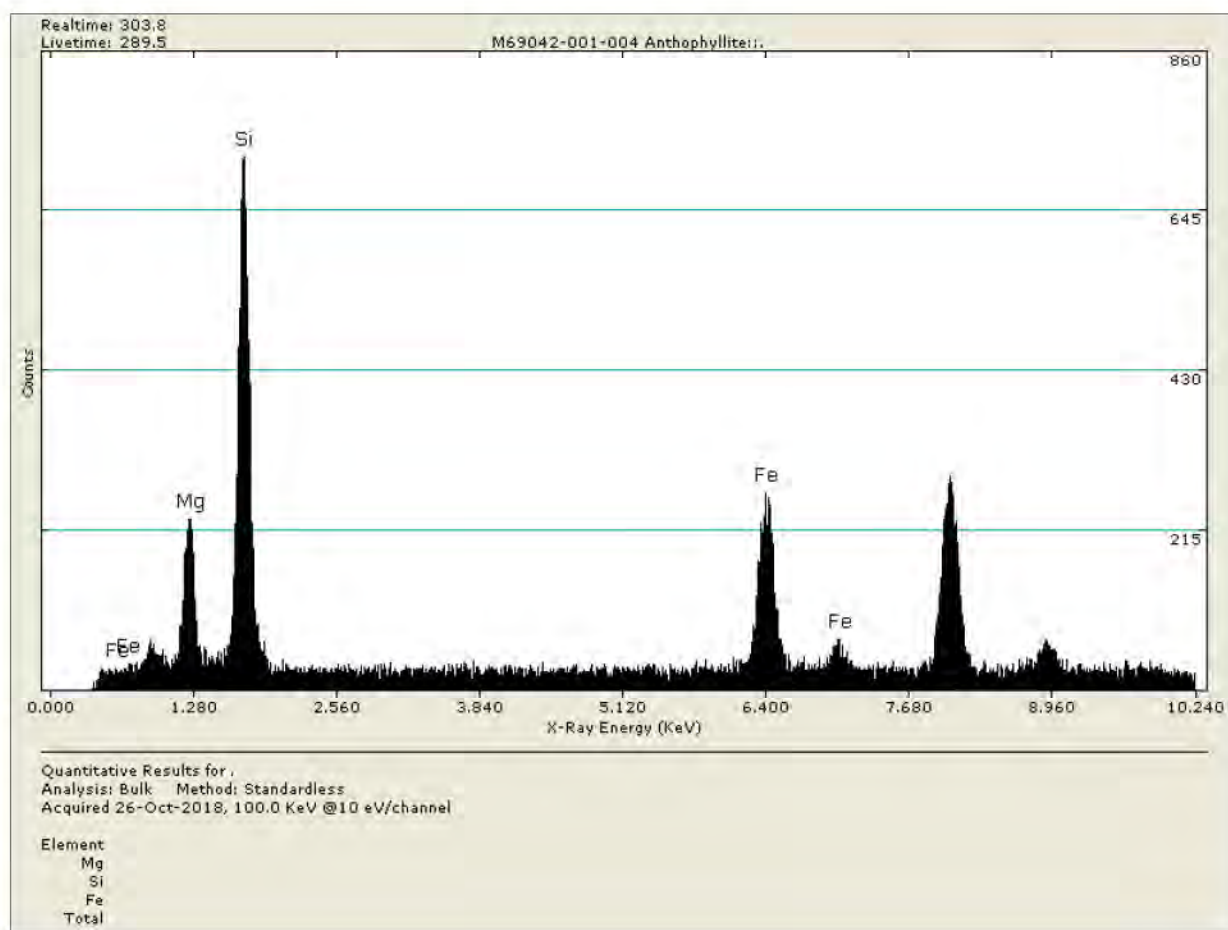
10/26/2018

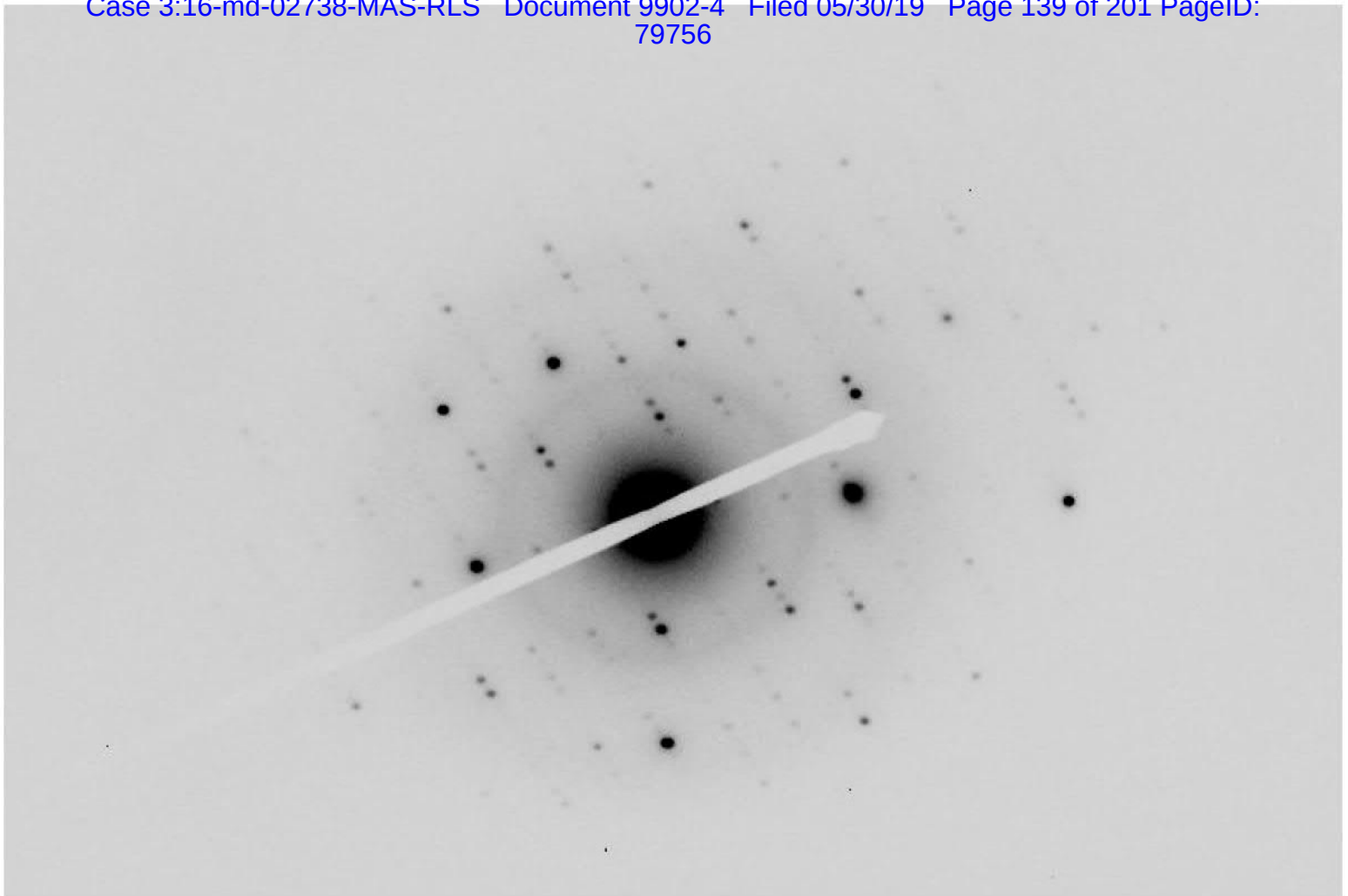


41337

M69042-001-003 Anthophyllite (15.7um x 2.0um)

10/26/2018

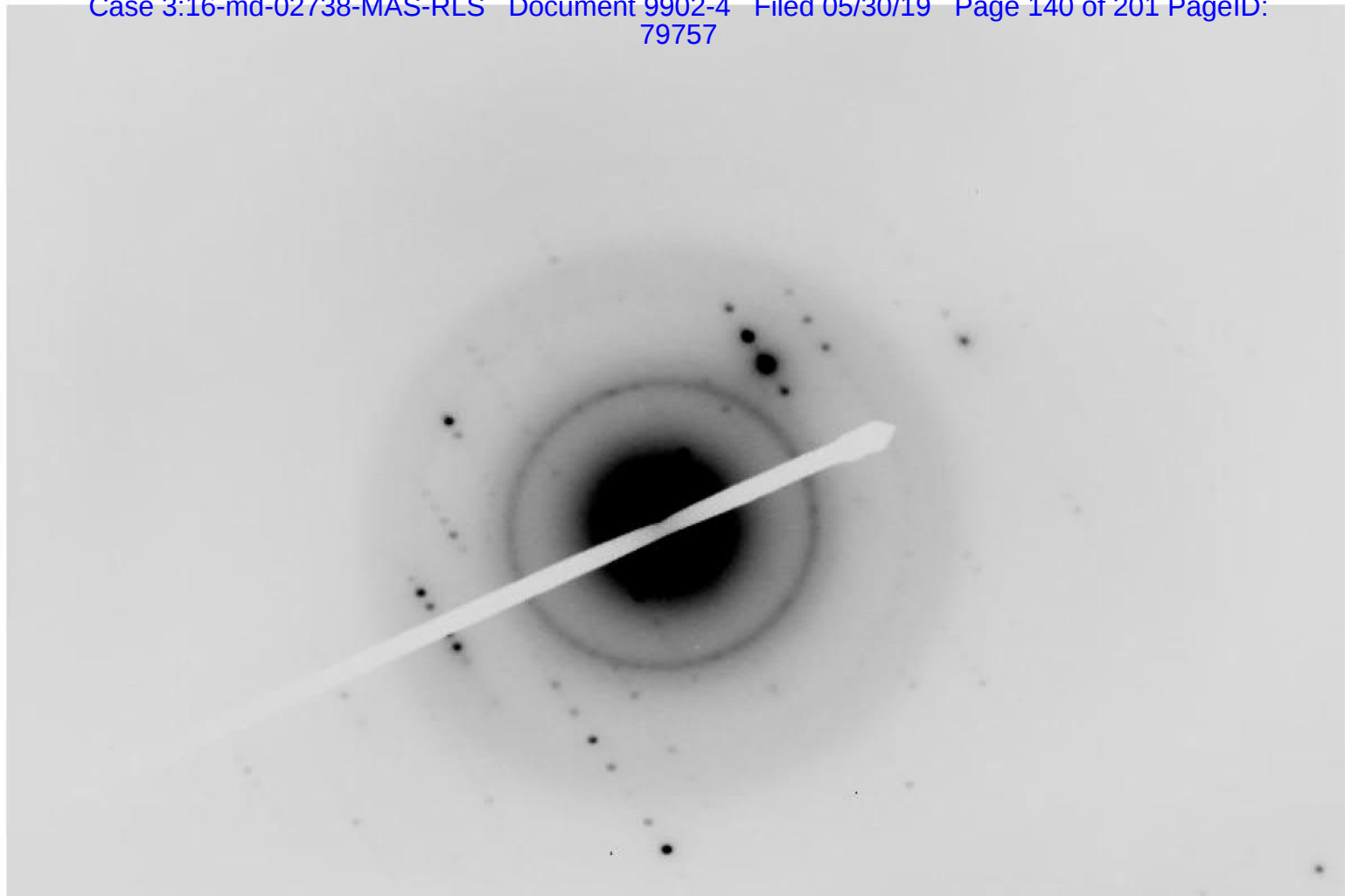




41338

M69042-001-004 Anthophyllite Diffraction 1 @ 50cm

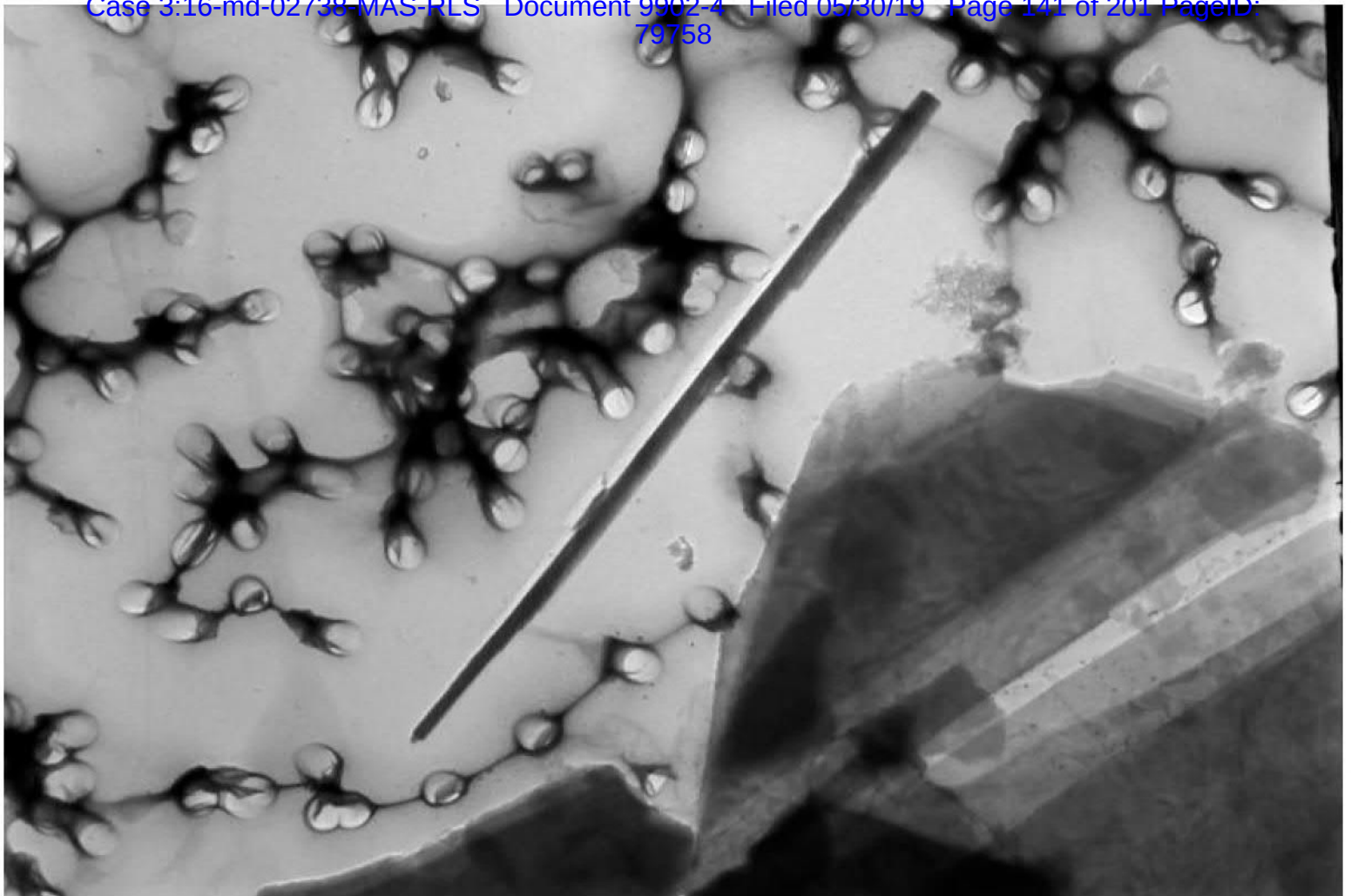
10/26/2018



41339

M69042-001-004 Anthophyllite Diffraction 2 @ 50cm

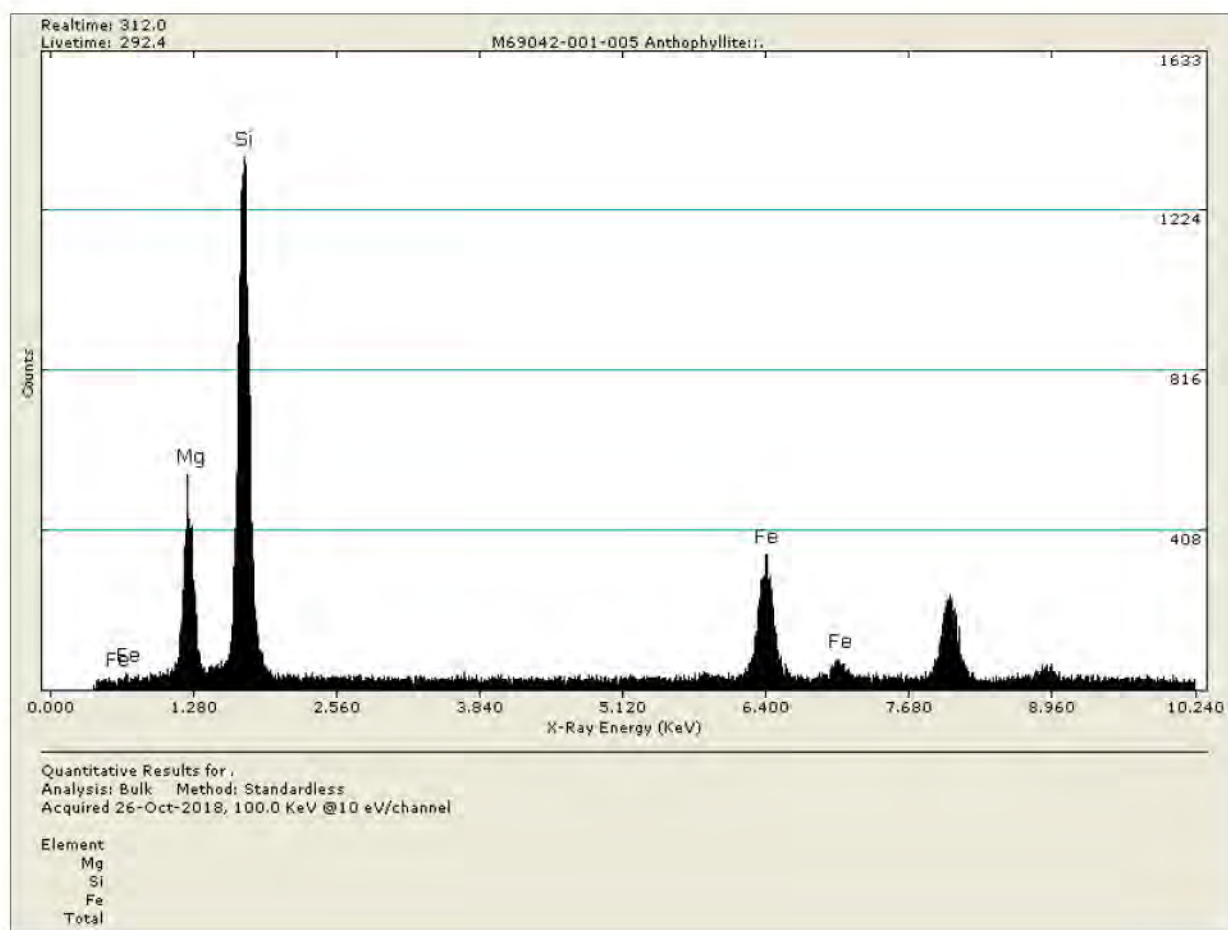
10/26/2018

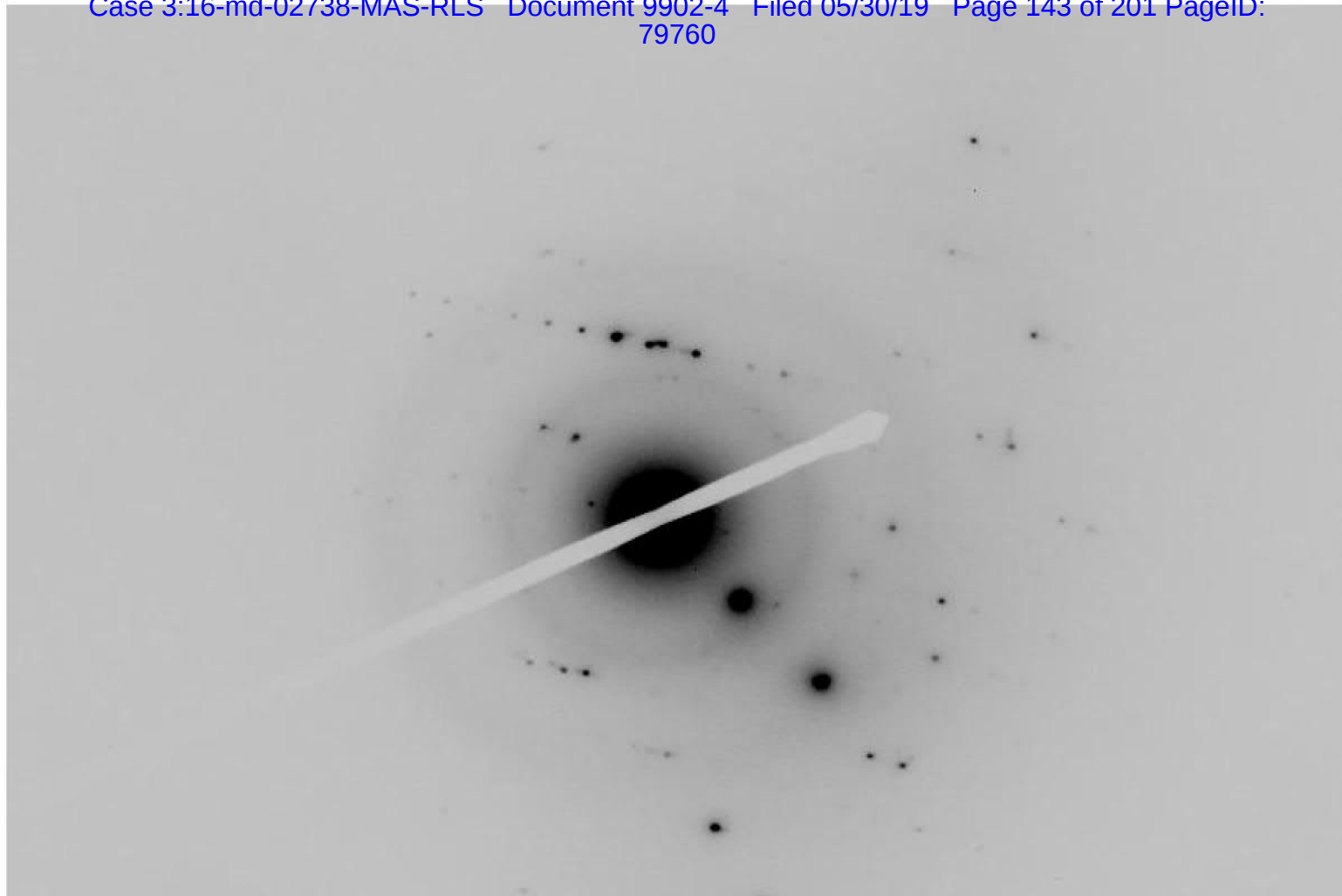


41340

M69042-001-004 Anthophyllite (10.0um x 0.2um)

10/26/2018

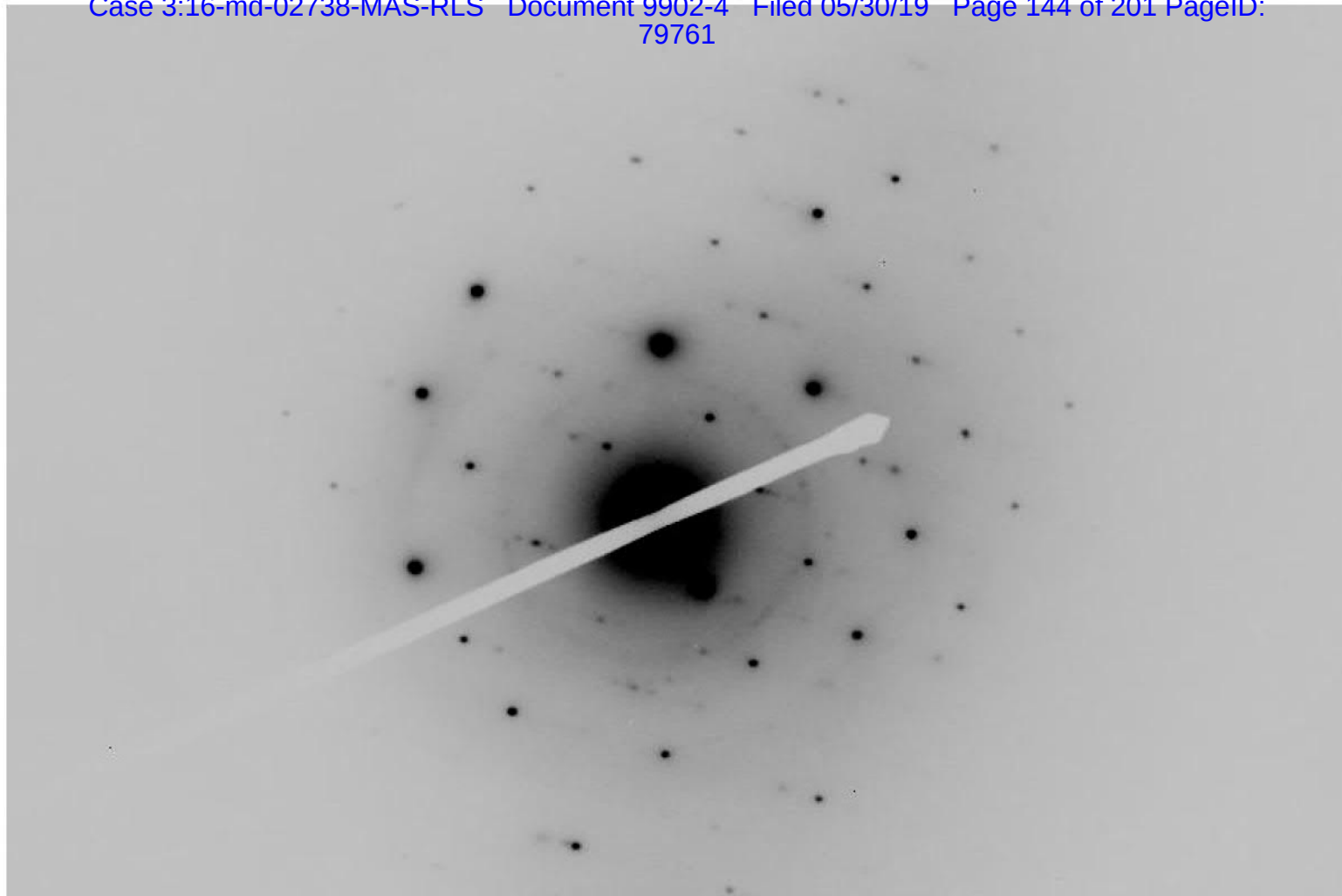




41342

M69042-001-005 Anthophyllite Diffraction 1 @ 50cm

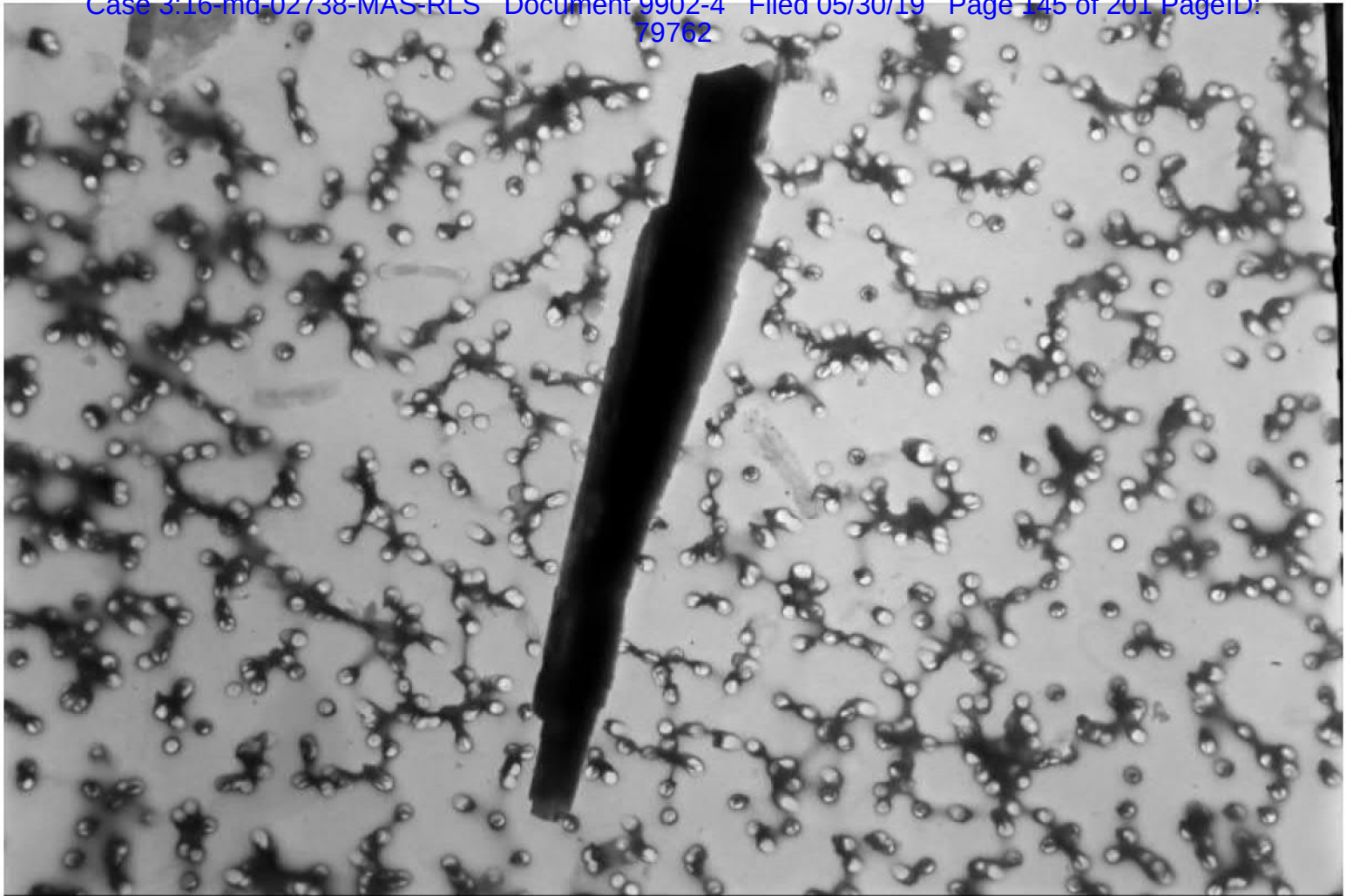
10/26/2018



41343

M69042-001-005 Anthophyllite Diffraction 2 @ 50cm

10/26/2018



41341

M69042-001-005 Anthophyllite (22.5um x 2.5um)

10/26/2018

TEM Bulk Talc Structure Count Sheet						
Project/ Sample No.	M69042-001		Grid Box #	8637	No. of Grids Counted	2
Analyst:	Mehrdad Motamedi			Length	Width	G.O. Area
Date of Analysis	10/25/2018-10/26/2018		G. O. in microns =	105	105	105
Initial Weight(g)	0.04077			105	105	105
Analysis Type	Post Separation Talc Analysis		Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
4	Screen Magnification	20 KX	Area Examined mm²			1.103

Str. #	Grid Opening	Str./Asb. Type	Length	Width	Ratio	SAED	EDS
NSD	A2-A1					No Fibrous Talc Observed	

Section 10



Sample 20180061-02D (J3 Lab ID: STS 1611A)



Sample as received by J3 Resources, Inc.



Determination of Asbestos in Talc by PLM

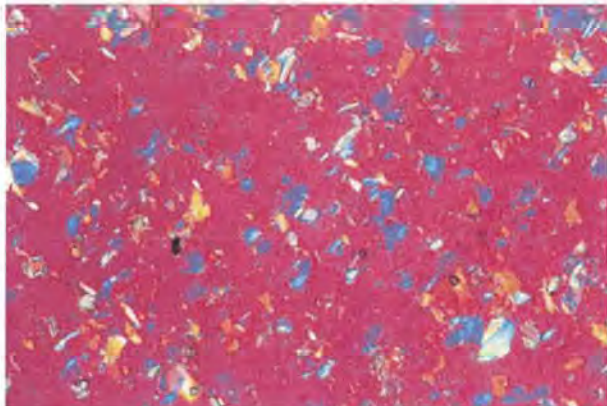
ISO 22262-1:2014

Sample 20180061-02D

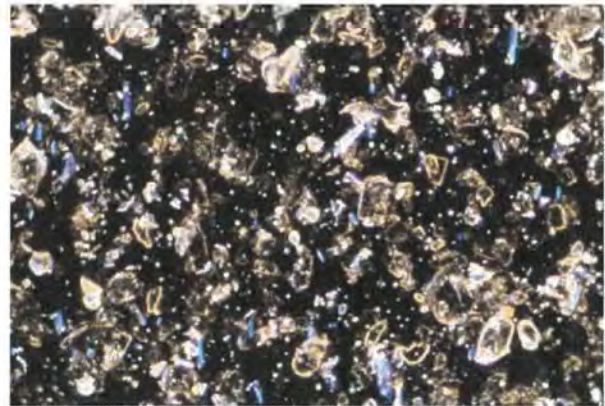
The sample was a white powder containing 85% medium to large platy Talc particles (100 μ m to >200 μ m in size) and Talc rods. The remaining 15% percent was composed of carbonate material.

No asbestos was detected by PLM.

Polarized Light Microscope Images



*100X Magnification of Talc Particles
Crossed polars and 530nm gypsum
compensator plate*



*100X Magnification dispersion
staining of Talc Particles
1.550 refractive index oil*



Determination of Asbestos in Talc by ATEM

ISO 22262-2:2014

Sample 20180061-02D

J3 Order #: JH1898969

Analyst: Lee Poye

Customer: Joseph Satterley, Esq.

Date: 7-Jul-2018

Weight of Sample*: 0.0179 g
Percent of Original Sample*: 80%
Suspension Volume: 1.5 mL
Filtered Suspension Volume: 0.1 mL

Filter Size: 25 mm
Filter Pore Size: 0.2 μm
Area of Analytical Filter: 210 mm²
GO Size: 0.0132 mm²
GO Area Analyzed: 1.056 mm²

Results Summary

Asbestos Structure Number	Length (μm)	Width (μm)	Aspect Ratio	Asbestos Type
N/D	N/A	N/A	N/A	None Detected
AVERAGE	N/A	N/A	N/A	

Total Asbestos Structures: 0

Asbestos Mass Fraction: < 0.000000031%

Asbestos Mass Fraction of Original Sample: < 0.000000025%

* Sample was previously gravimetrically reduced.

LAB WORKSHEET

Page: 1 of 3

Page 149 of 268

LAB WORKSHEET

Page: 2 of 3

Page 150 of 268

LAB WORKSHEET

Page: 3 of 3

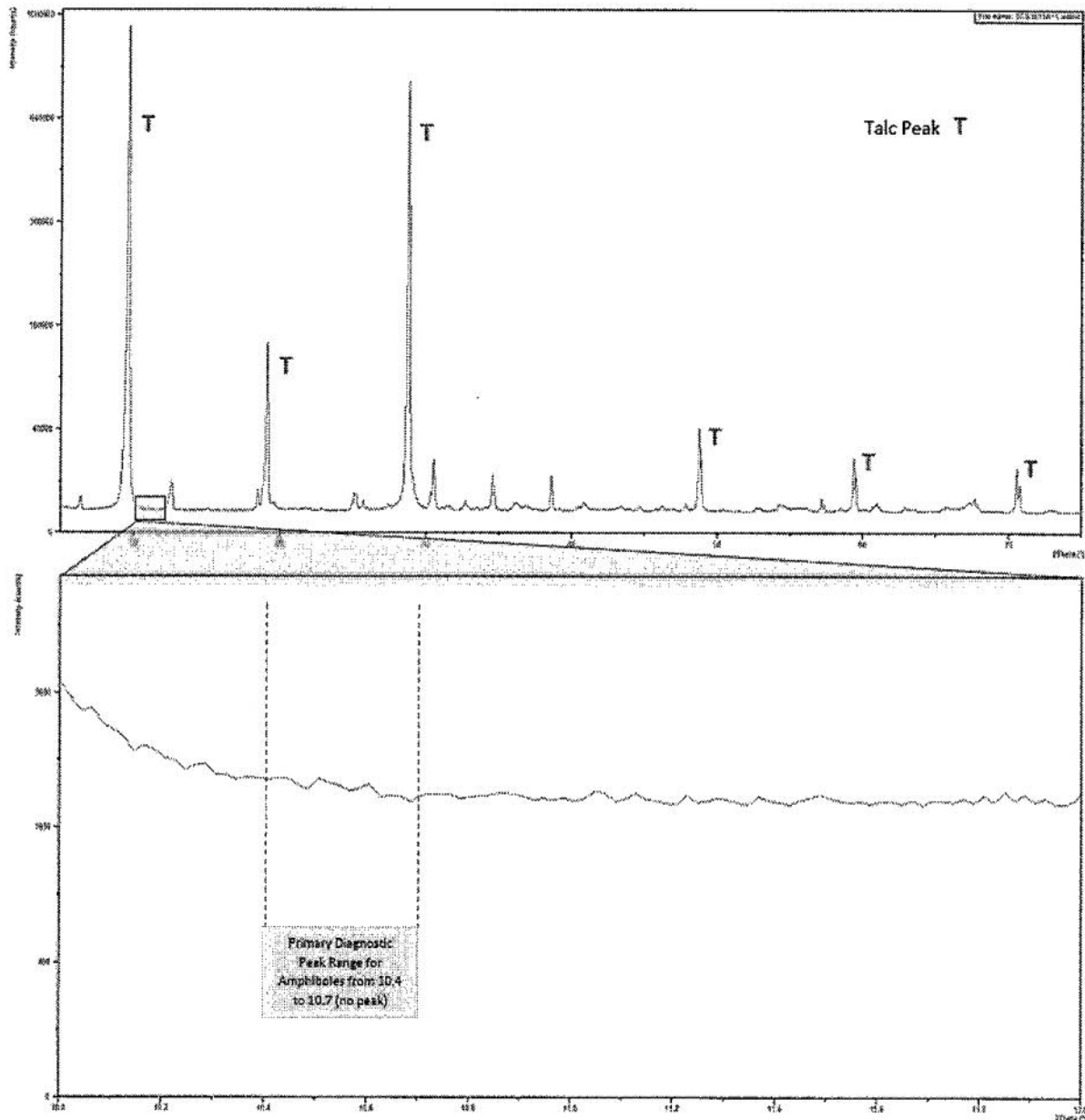
Page 151 of 268



Determination of Asbestos in Talc by XRD

ISO 22262-3:2016

Sample 20180061-02D



No Amphibole Peak Present

EXHIBIT E¹

IN RE JOHNSON & JOHNSON TALCUM POWDER PRODUCTS
MARKETING, SALES PRACTICES, AND PRODUCTS LIABILITY LITIGATION
MDL NO. 16-2738 (FLW) (LHG)

JOINT CATALOGUE

LABORATORY CONTROL NO.	SAMPLE IDENTIFICATION NO.	LABEL ON ORIGINAL CONTAINER	DATE ON ORIGINAL CONTAINER	QUANTITY ON LABEL OF ORIGINAL CONTAINER	QUANTITY IN ORIGINAL CONTAINER OR RECEPTACLE BEFORE DIVISION	QUANTITY IN ORIGINAL CONTAINER/RECEPTACLE OR NEW RECEPTACLE AFTER DIVISION
2018 <u>0061-52</u>	STS016	IMPROVED Shower to Shower DEODORANT BODY POWDER with Baking Soda	1980-1981	13oz.	~6.30 oz.	~5.80 oz.
2018 <u>0061-52 C</u>					NOT USED	NOT USED
2018 <u>0061-52 D</u>						~ 0.51oz.

Observer for plaintiffs hereby acknowledges receipt of 2018 0061-52 D, ~0.51oz. of 2018 0061-52.
(weight)

[Signature]
Observer for Plaintiffs
Date 5/17/18

Observer for defendants hereby acknowledges witnessing the same.

[Signature]
Observer for Defendants
Date 5/17/18

Laboratory technician hereby acknowledges that all remaining material from 2018 0061-52 was returned to its original container or receptacle.

[Signature]
Laboratory Technician
Date 5/17/18

¹ This form is an Exhibit to the Agreed Order and Stipulation Regarding the Johnson & Johnson Defendants' Production of Talcum Powder Products and Talc Samples ("Agreed Order"). Terms used herein have the same meaning as defined in the Agreed Order. The instant form has been adapted for use in connection with the initial division of Samples STS009, STS014, STS015, STS027, STS029, STS030, STS044, STS049 and 2014.001.0397, and further division of Samples STS001, STS002, STS016, STS036, STS055 and STS065.







EXHIBIT E¹

IN RE JOHNSON & JOHNSON TALCUM POWDER PRODUCTS
MARKETING, SALES PRACTICES, AND PRODUCTS LIABILITY LITIGATION
MDL NO. 16-2738 (FLW) (LHG)

JOINT CATALOGUE

LABORATORY CONTROL NO.	SAMPLE IDENTIFICATION NO.	LABEL ON ORIGINAL CONTAINER	DATE ON ORIGINAL CONTAINER	QUANTITY ON LABEL OF ORIGINAL CONTAINER	ACTUAL QUANTITY IN ORIGINAL CONTAINER	QUANTITY IN ORIGINAL CONTAINER OR NEW RECEPTACLE AFTER DIVISION
2018 0061 - 63	STS027	IMPROVED! Shower to Shower DEODORANT BODY POWDER with Baking Soda	1980	13 oz.	~13.17 oz.	~6.60 oz.
2018 0061 - 63 A						~2.67 oz.
2018 0061 - 63 B						~3.39 oz.
2018 0061 - 63 C						NOT USED
2018 0061 - 63 D						~0.51 oz.

Observer for plaintiffs hereby acknowledges receipt of 2018 0061 - 63 A, ~2.67 oz. of original Sample 2018 0061 - 63. * 20180061-63A will be held at the Laboratory and shipped to the MDL PEC separately. (APC)

[Signature]
Observer for Plaintiffs Date 5/17/18

Observer for plaintiffs hereby acknowledges receipt of 2018 0061 - 63 D, ~0.51 oz. of original Sample 2018 0061 - 63.

[Signature]
Observer for Plaintiffs Date 5/17/18

Observer for defendants hereby acknowledges receipt of 2018 0061 - 63 B, ~3.39 oz. of original Sample 2018 0061 - 63.

[Signature]
Observer for Defendants Date 5/17/18

Laboratory technician hereby acknowledges that all remaining material from Sample 2018 0061 - 63 was (check one): ☒ replaced in its original container ☐ transferred to a new receptacle (2018 - - C).

[Signature]
Laboratory Technician Date 5/17/18

¹ This form is an Exhibit to the Agreed Order and Stipulation Regarding the Johnson & Johnson Defendants' Production of Talcum Powder Products and Talc Samples ("Agreed Order"). Terms used herein have the same meaning as defined in the Agreed Order. The instant form has been adapted for use in connection with the initial division of Samples STS009, STS014, STS015, STS027, STS029, STS030, STS044, STS049 and 2014.001.0397, and further division of Samples STS001, STS002, STS016, STS036, STS055 and STS065.

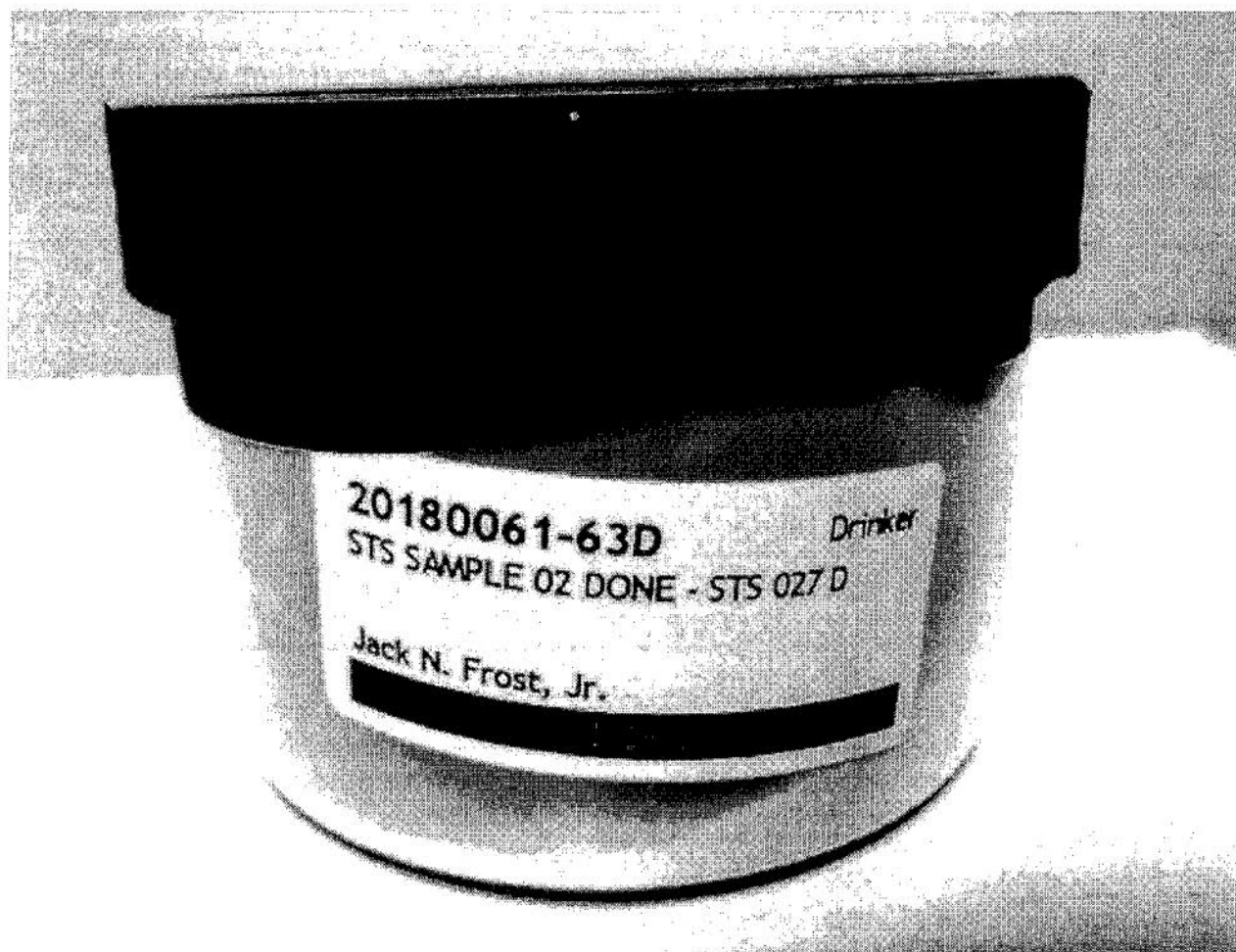






EXHIBIT E¹

IN RE JOHNSON & JOHNSON TALCUM POWDER PRODUCTS
MARKETING, SALES PRACTICES, AND PRODUCTS LIABILITY LITIGATION
MDL NO. 16-2738 (FLW) (LHG)

JOINT CATALOGUE

LABORATORY CONTROL NO.	SAMPLE IDENTIFICATION NO.	LABEL ON ORIGINAL CONTAINER	DATE ON ORIGINAL CONTAINER	QUANTITY ON LABEL OF ORIGINAL CONTAINER	ACTUAL QUANTITY IN ORIGINAL CONTAINER	QUANTITY IN ORIGINAL CONTAINER OR NEW RECEPTACLE AFTER DIVISION
2018 0061 - 65	STS029	Shower to Shower DEODORANT BODY POWDER with Baking Soda	1980-1981	8 oz.	~ 8.50 oz.	~ 4.26 oz.
2018 0061 - 65 A						~ 1.83 oz.
2018 0061 - 65 B						~ 1.93 oz.
2018 0061 - 65 C						NOT USED
2018 0061 - 65 D						~ 0.48 oz.

Observer for plaintiffs hereby acknowledges receipt of 2018 0061 - 65 A, ~ 1.83 oz. of original Sample 2018 0061 - 65. (weight)

5/17/18
Date

* 20180061-65A will be held at the Laboratory and shipped to the MDL PEC separately.

Observer for plaintiffs hereby acknowledges receipt of 2018 0061 - 65 D, ~ 0.48 oz. of original Sample 2018 0061 - 65. (weight)

5/17/18
Date

Observer for defendants hereby acknowledges receipt of 2018 0061 - 65 B, ~ 1.93 oz. of original Sample 2018 0061 - 65. (weight)

5/17/18
Date

Laboratory technician hereby acknowledges that all remaining material from Sample 2018 0061 - 65 was (check one): ☒ replaced in its original container ☐ transferred to a new receptacle (2018 _____ C).

5/17/18
Date

Laboratory Technician

This form is an Exhibit to the Agreed Order and Stipulation Regarding the Johnson & Johnson Defendants' Production of Talcum Powder Products and Talc Samples ("Agreed Order"). Terms used herein have the same meaning as defined in the Agreed Order. The instant form has been adapted for use in connection with the initial division of Samples STS009, STS014, STS015, STS027, STS029, STS030, STS044, STS049 and 2014.001.0397, and further division of Samples STS001, STS002, STS016, STS036, STS055 and STS065.







Section 11

**MAS, LLC
PLM ANALYSIS**

Proj#-Spl# M68233-001 Analyst Paul Hess Date 8/3/2018
 ClientName Lanier Law ClientSpl 001
 Location _____
 Type_Mat Johnson's Baby Powder (JBP084 06A1)
 Gross white powder % of Sample 100
 Visual _____

OPTICAL DATA FOR ASBESTOS IDENTIFICATION

Morphology	straight		
Pleochroism	none		
Refract Index	1.625/1.610		
Sign^	positive		
Extinction	oblique		
Birefringence	moderate		
Melt	no		
Fiber Name	Tremolite/Actinolite		

ASBESTOS MINERALS

EST. VOL. %

Chrysotile.....
 Amosite.....
 Crocidolite.....
 Tremolite/Actinolite..... <0.1
 Anthophyllite.....

OTHER FIBROUS COMPONENTS

Talc -B/Y DS in 1.55 ***

NON FIBROUS COMPONENTS

Opagues X
 Talc X
 Mineral grains X

Binder Description _____

Comments Actinolite/Tremolite asbestos observed. Actinolite/Tremolite cleavage
fragments/particles exhibiting <3-1 length-width ratio observed. *** Trace amount of
fibrous Talc observed. X = Materials detected.

The method detection limit is 1% unless otherwise stated.

**MAS, LLC
PLM ANALYSIS**

Proj#-Spl# M68233-001BL Analyst Paul Hess Date 8/21/2018
 ClientName Lanier Law ClientSpl _____
 Location _____
 Type_Mat Johnson's Baby Powder (JBP084 06A1)
 Gross White flakey debris from slide % of Sample 100
 Visual _____

OPTICAL DATA FOR ASBESTOS IDENTIFICATION

Morphology	straight		
Pleochroism	none		
Refract Index	1.625/1.610		
Sign^	positive		
Extinction	oblique		
Birefringence	moderate		
Melt	no		
Fiber Name	Tremolite/Actinolite		

ASBESTOS MINERALS

EST. VOL. %

Chrysotile.....
 Amosite.....
 Crocidolite.....
 Tremolite/Actinolite..... <0.1
 Anthophyllite.....

OTHER FIBROUS COMPONENTS

Talc -B/Y DS in 1.55 ***

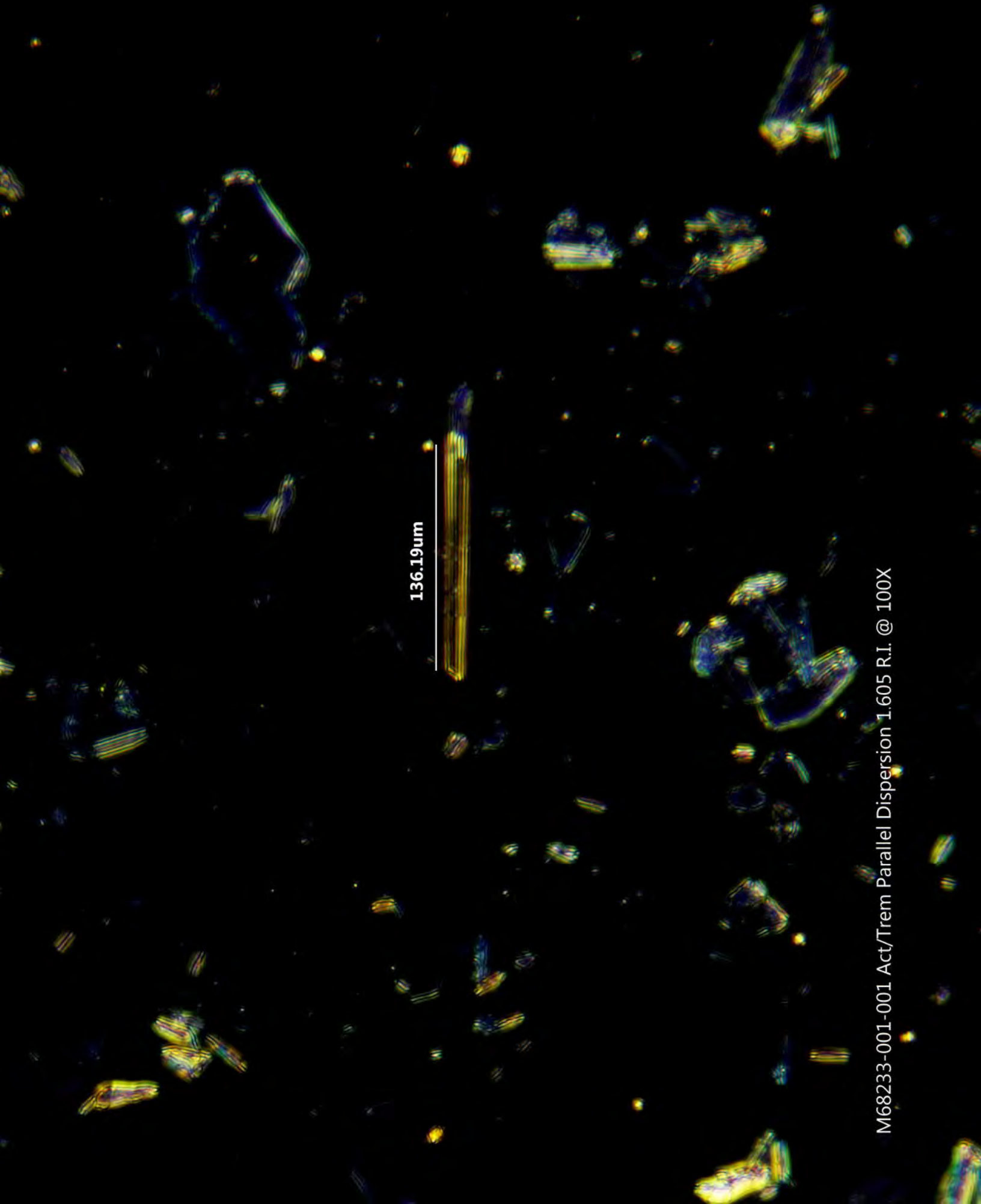
NON FIBROUS COMPONENTS

Opagues X
 Talc X
 Mineral grains X

Binder Description _____

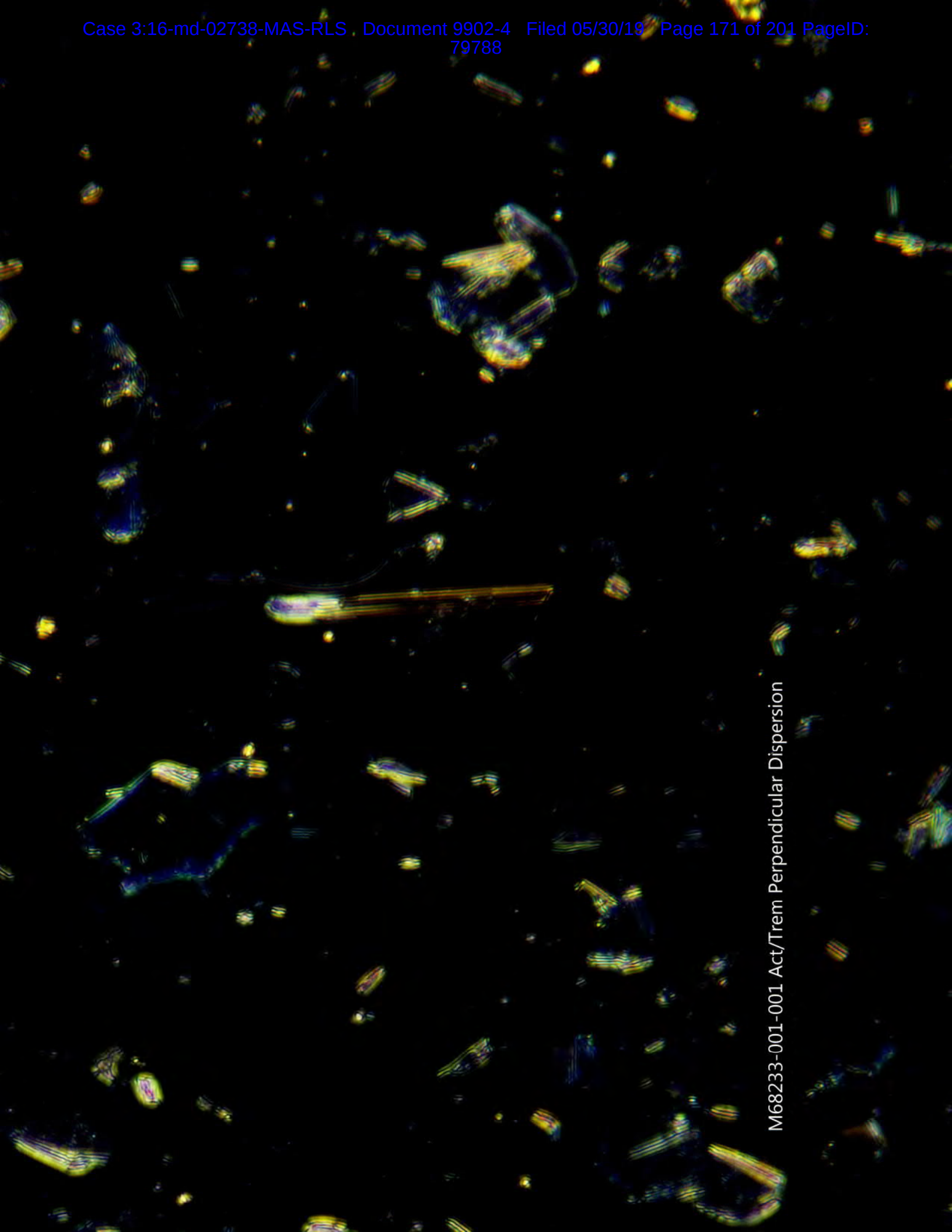
Comments Actinolite/Tremolite asbestos observed. Actinolite/Tremolite cleavage
fragments/particles exhibiting <3-1 length-width ratio observed. *** Trace amount of
fibrous Talc observed. X = Materials detected.

The method detection limit is 1% unless otherwise stated.

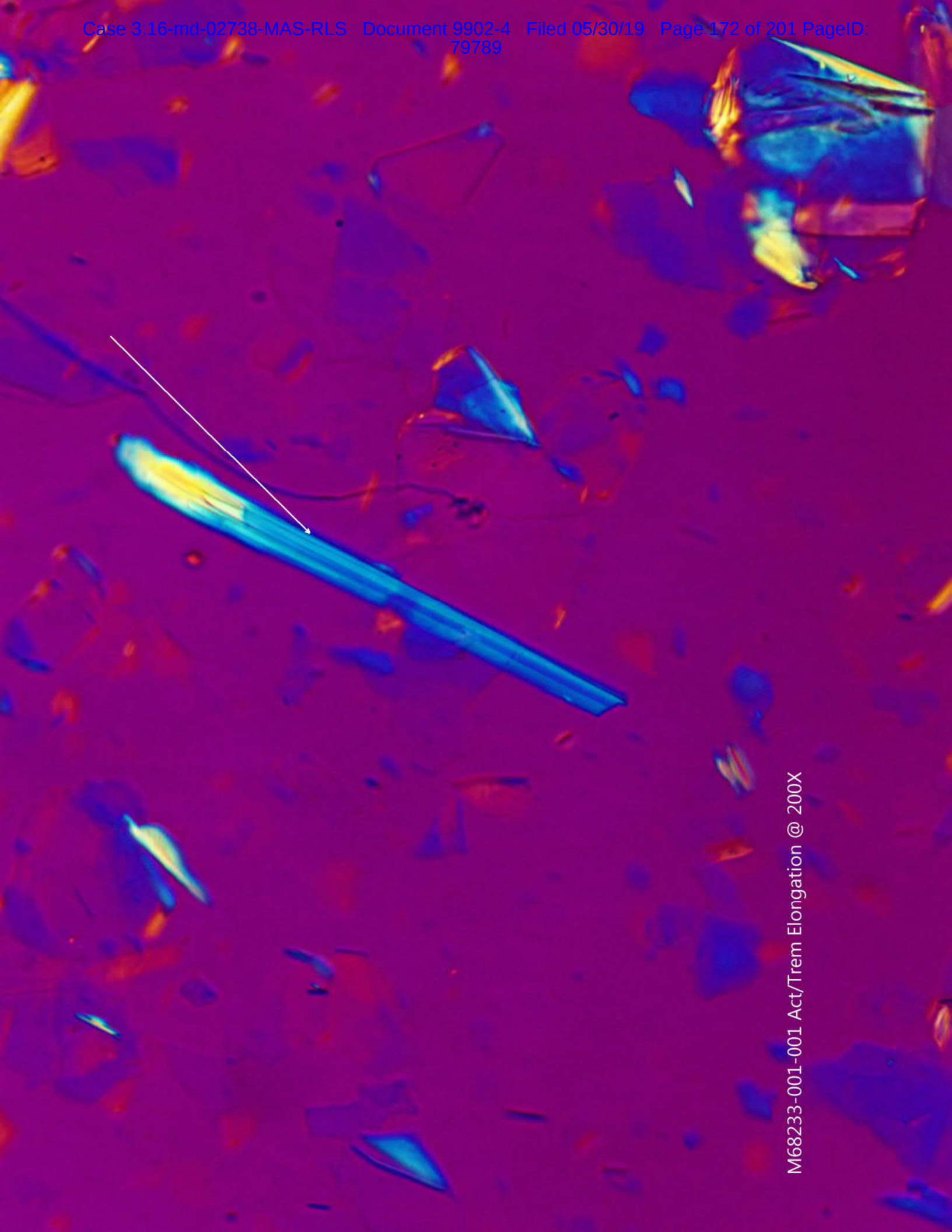


136.19um

M68233-001-001 Act/Trem Parallel Dispersion 1.605 R.I. @ 100X

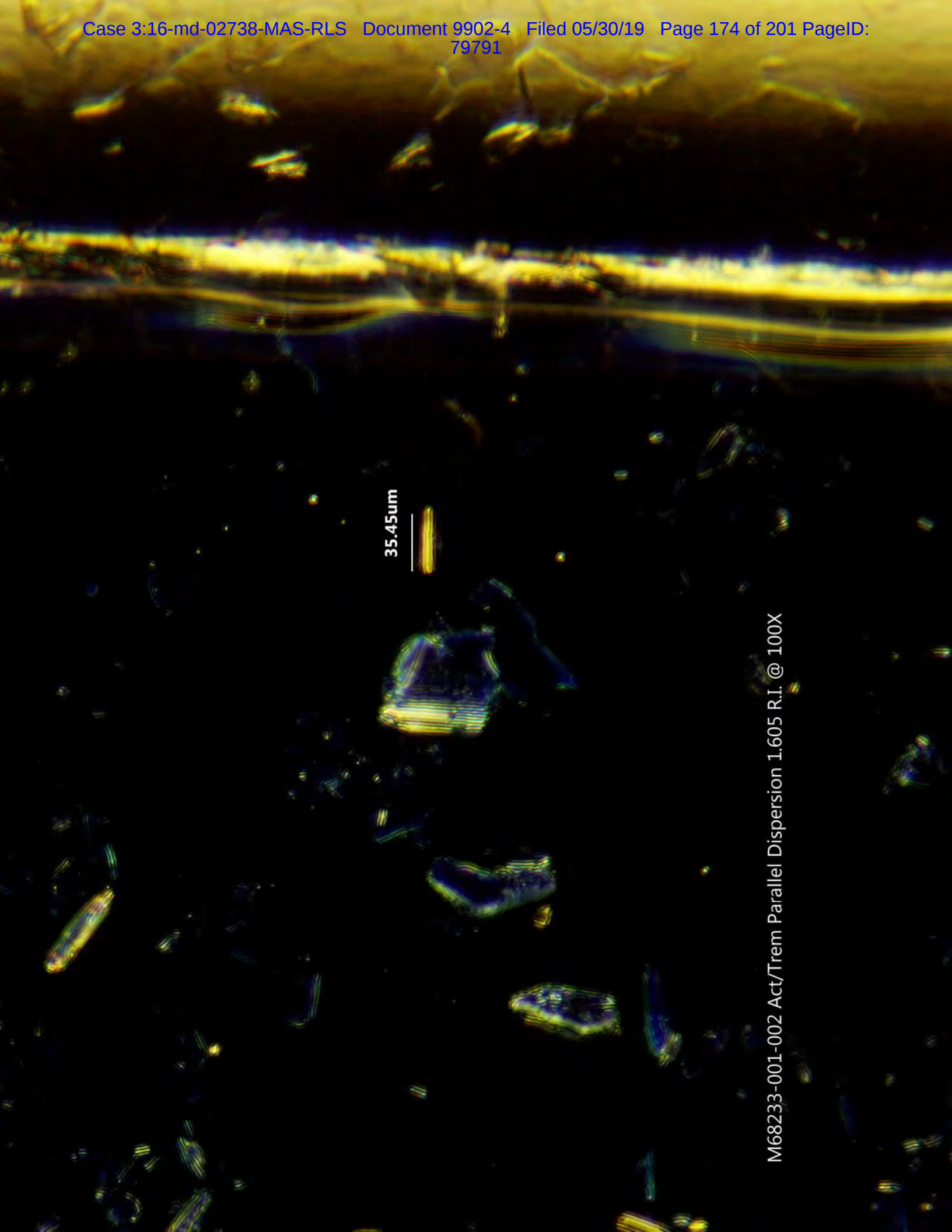


M68233-001-001 Act/Trem Perpendicular Dispersion



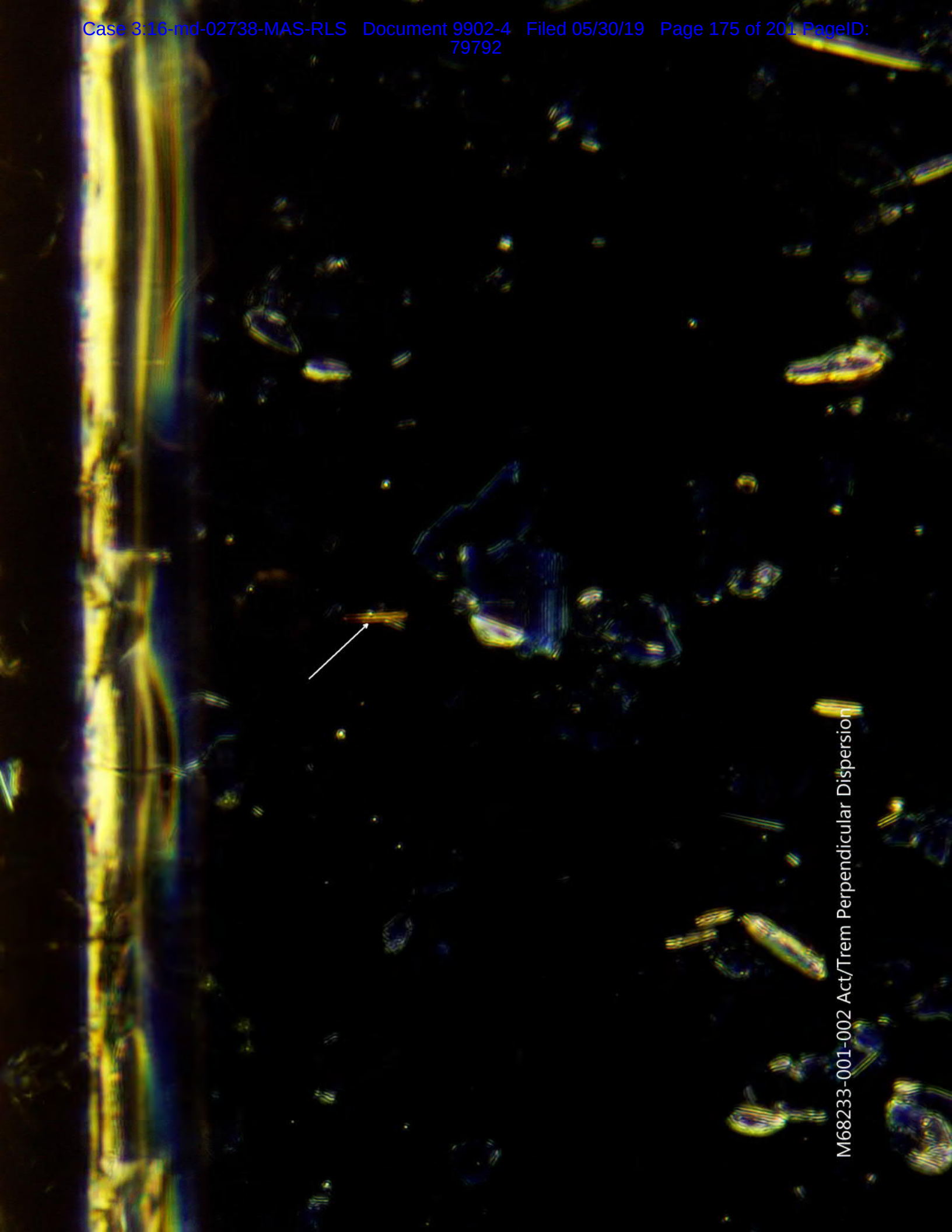
M68233-001-001 Act/Trem Elongation @ 200X

M68233-001-001 Act/Trem Crossed Polars



35.45um

M68233-001-002 Act/Trem Parallel Dispersion 1.605 R.I. @ 100X

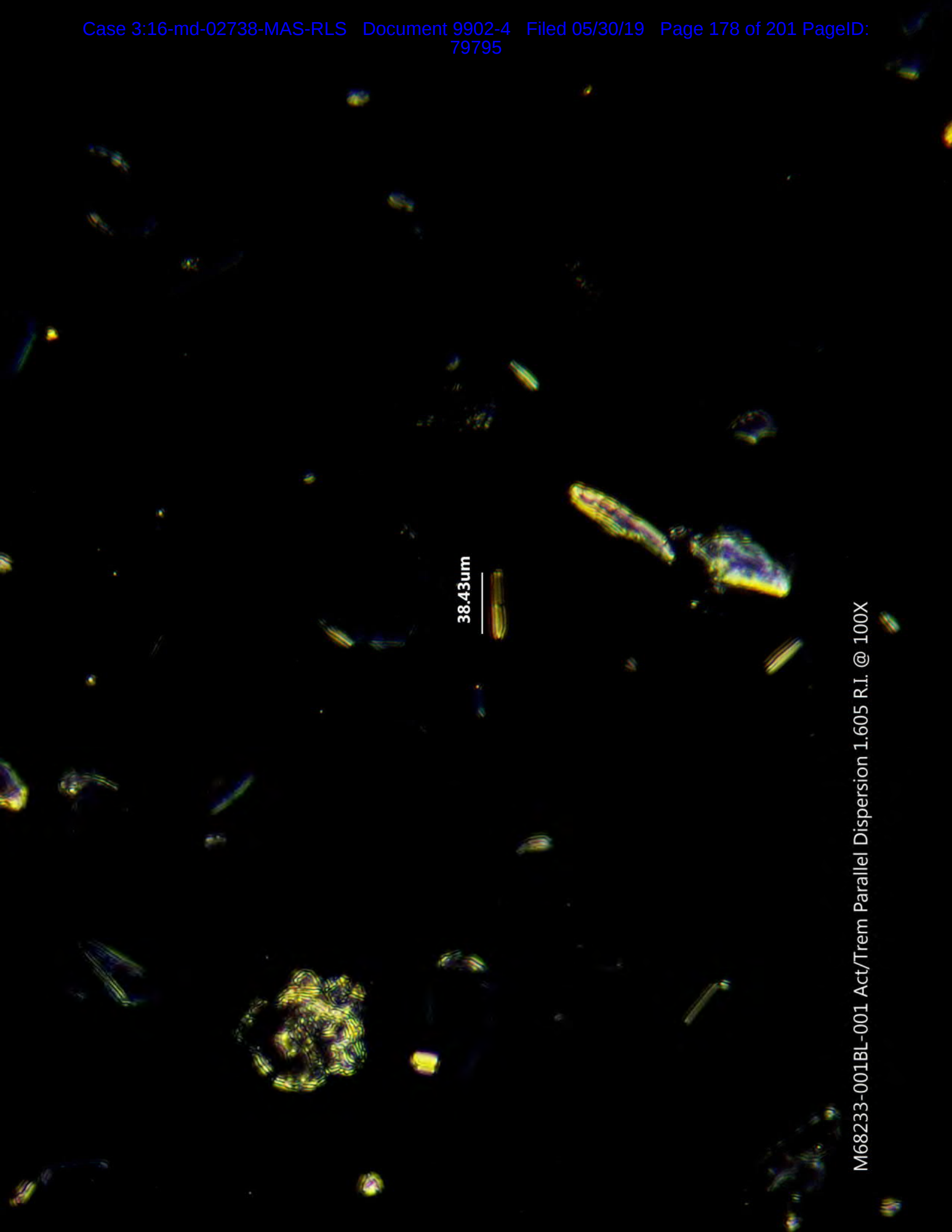


M68233-001-002 Act/Trem Perpendicular Dispersion



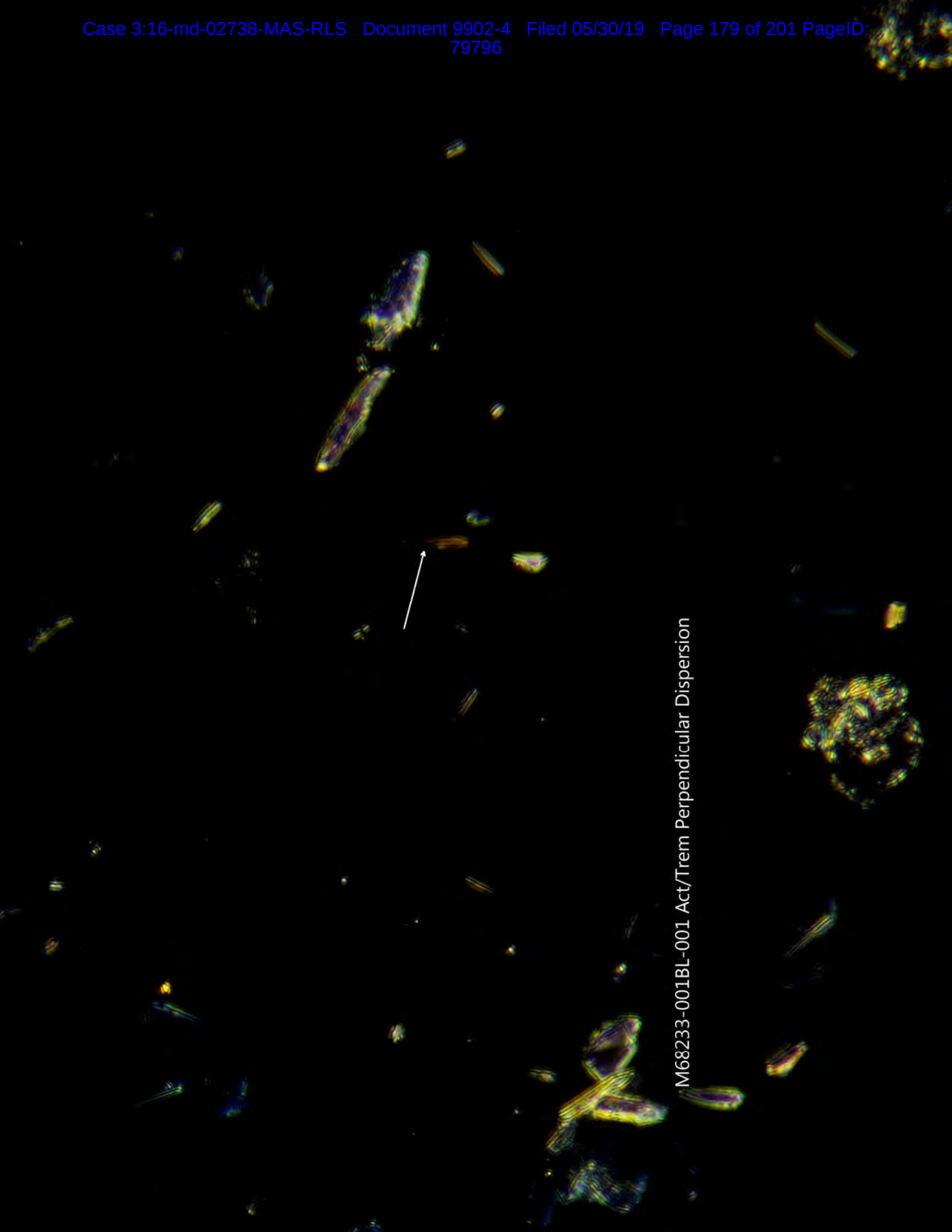
M68233-001-002 Act/Trem Elongation @ 200X

M68233-001-002 Act/Trem Crossed Polars

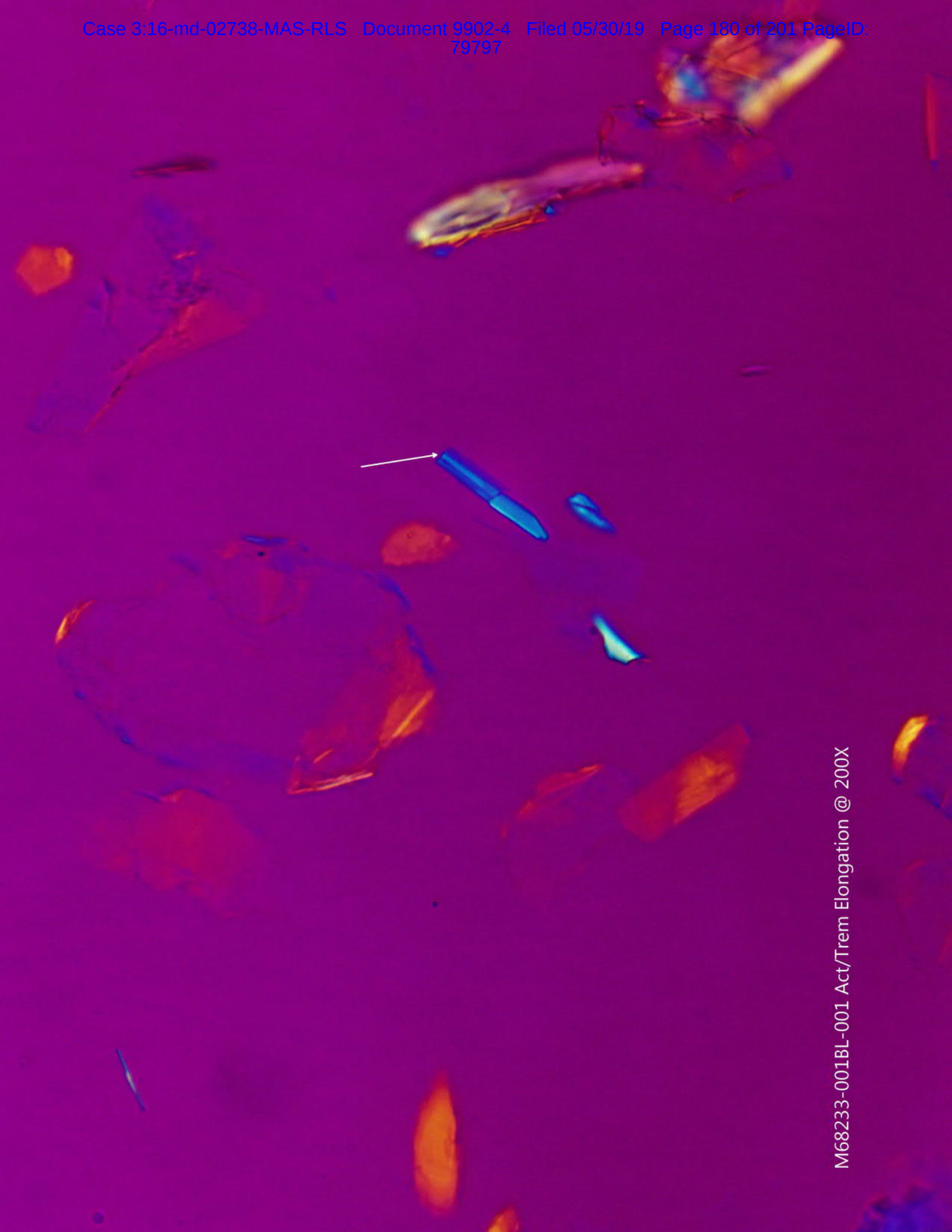


38.43um

M68233-001BL-001 Act/Trem Parallel Dispersion 1.605 R.I. @ 100X



M68233-001BL-001 Act/Trem Perpendicular Dispersion



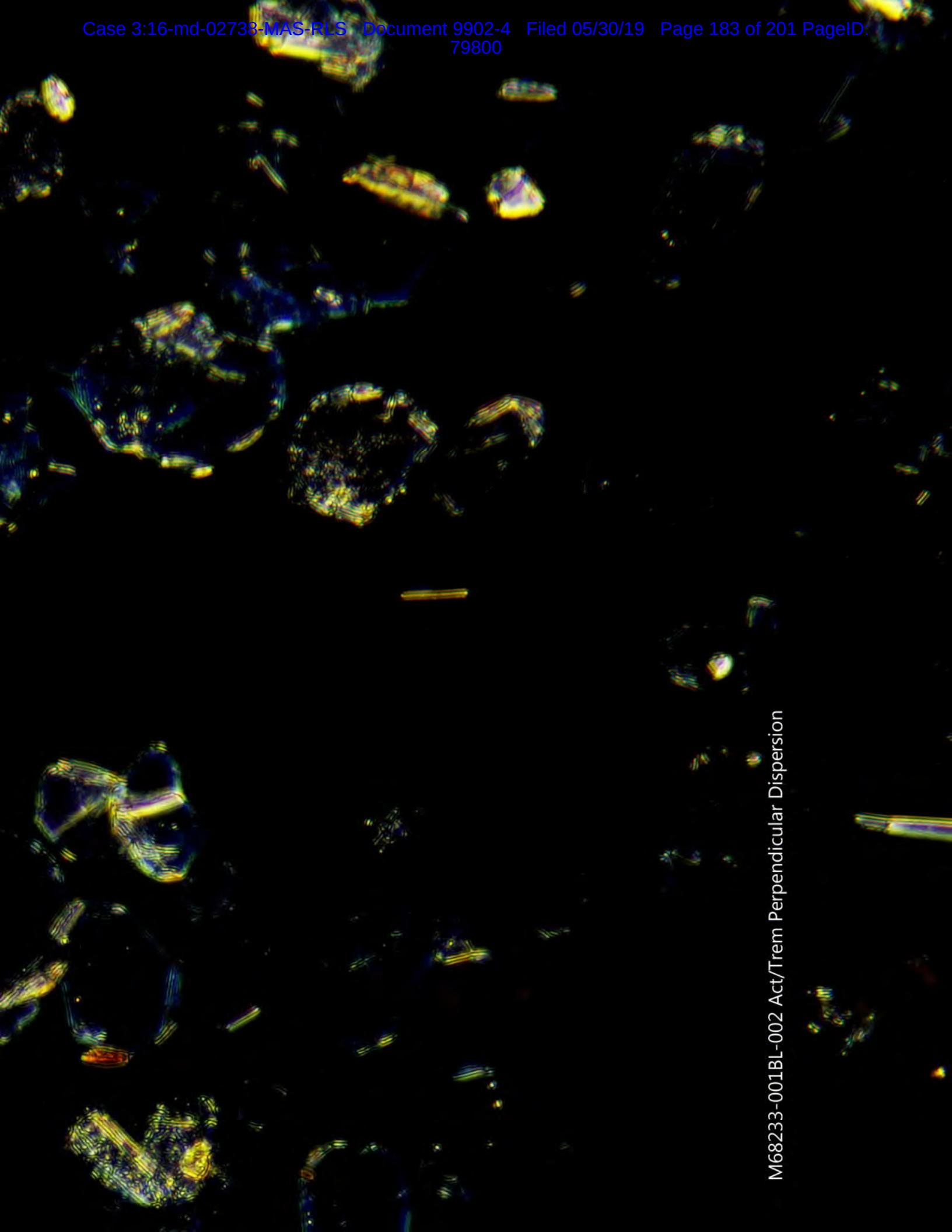
M68233-001BL-001 Act/Trem Elongation @ 200X

M68233-001BL-001 Act/Trem Crossed Polars

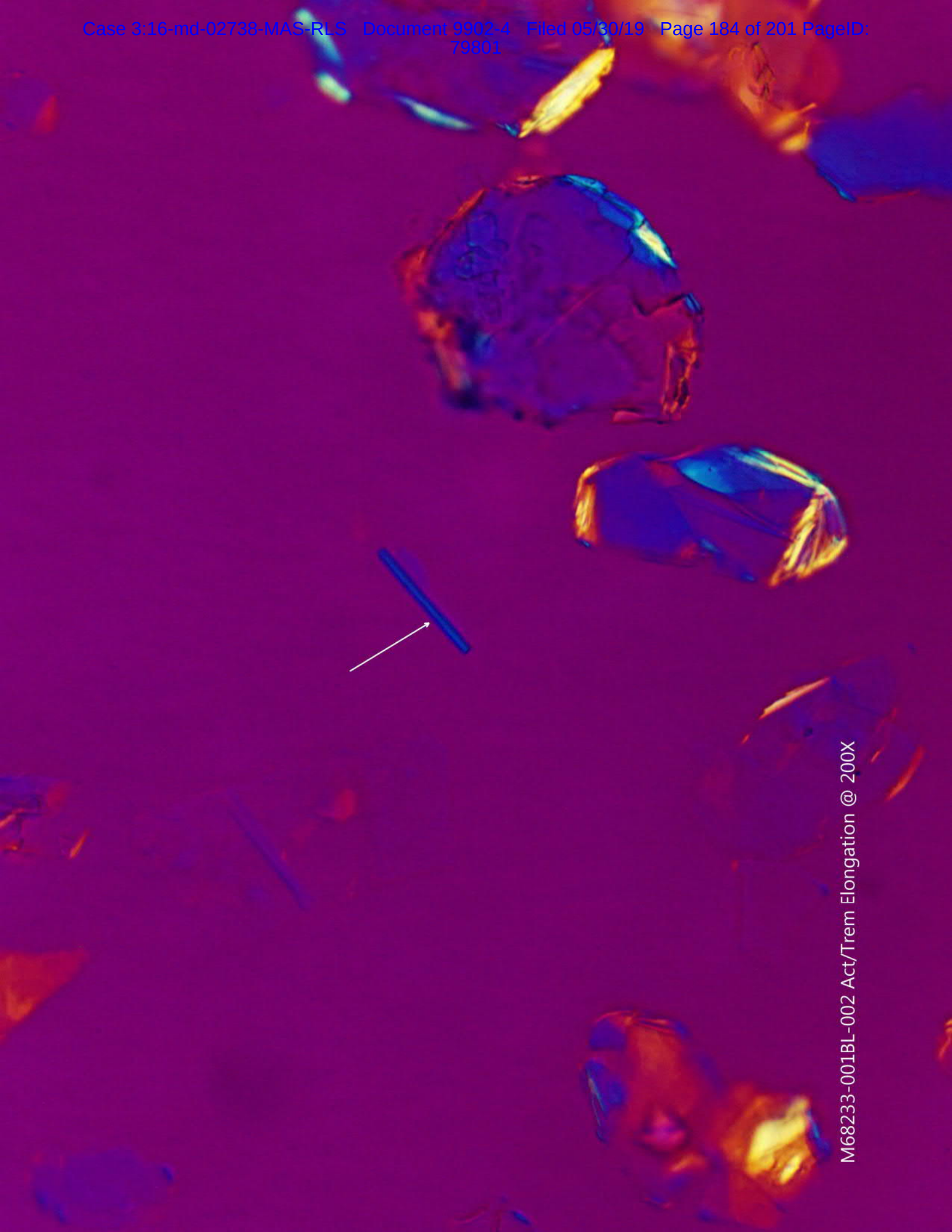
39.19um



M68233-001BL-002 Act/Trem Parallel Dispersion 1.605 R.I. @ 100X



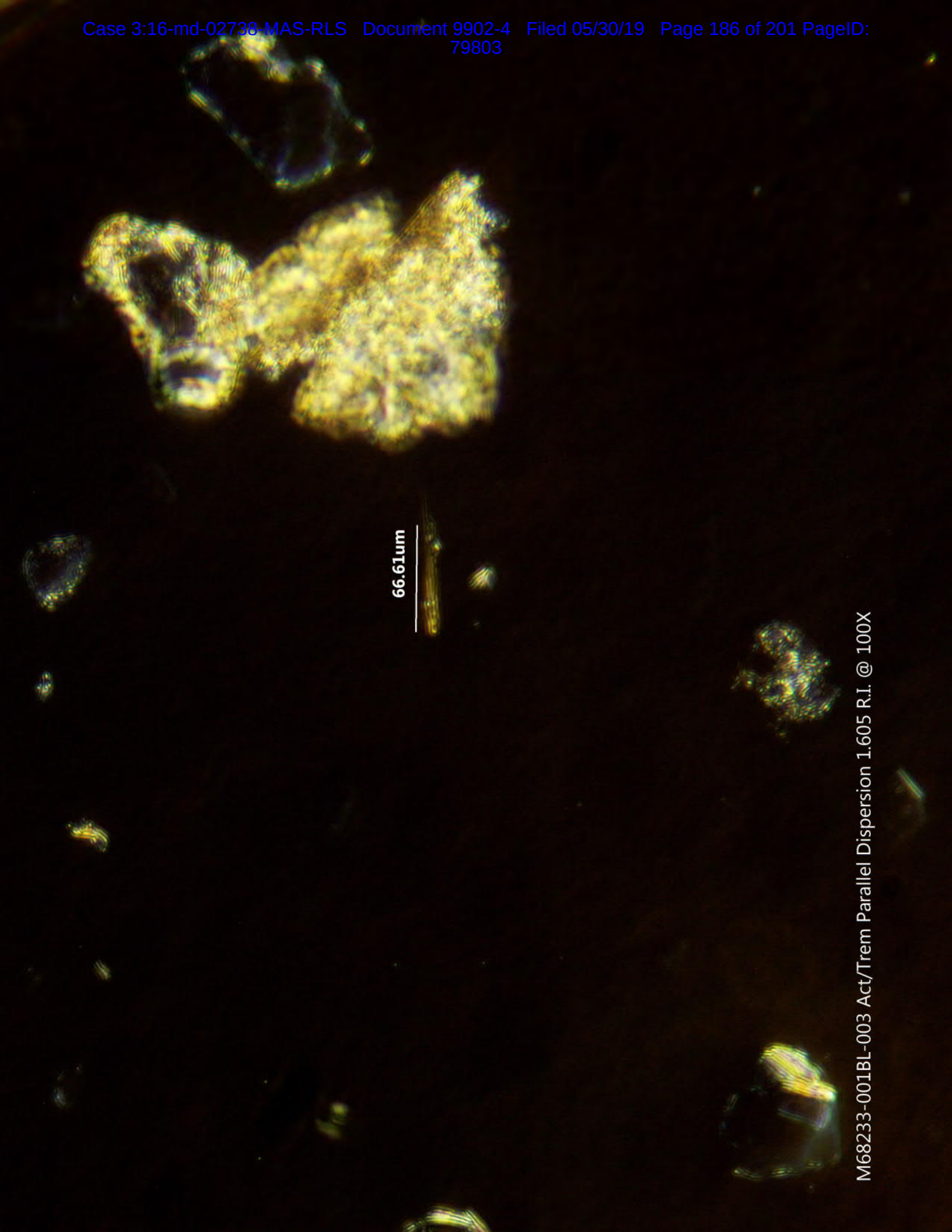
M68233-001BL-002 Act/Trem Perpendicular Dispersion



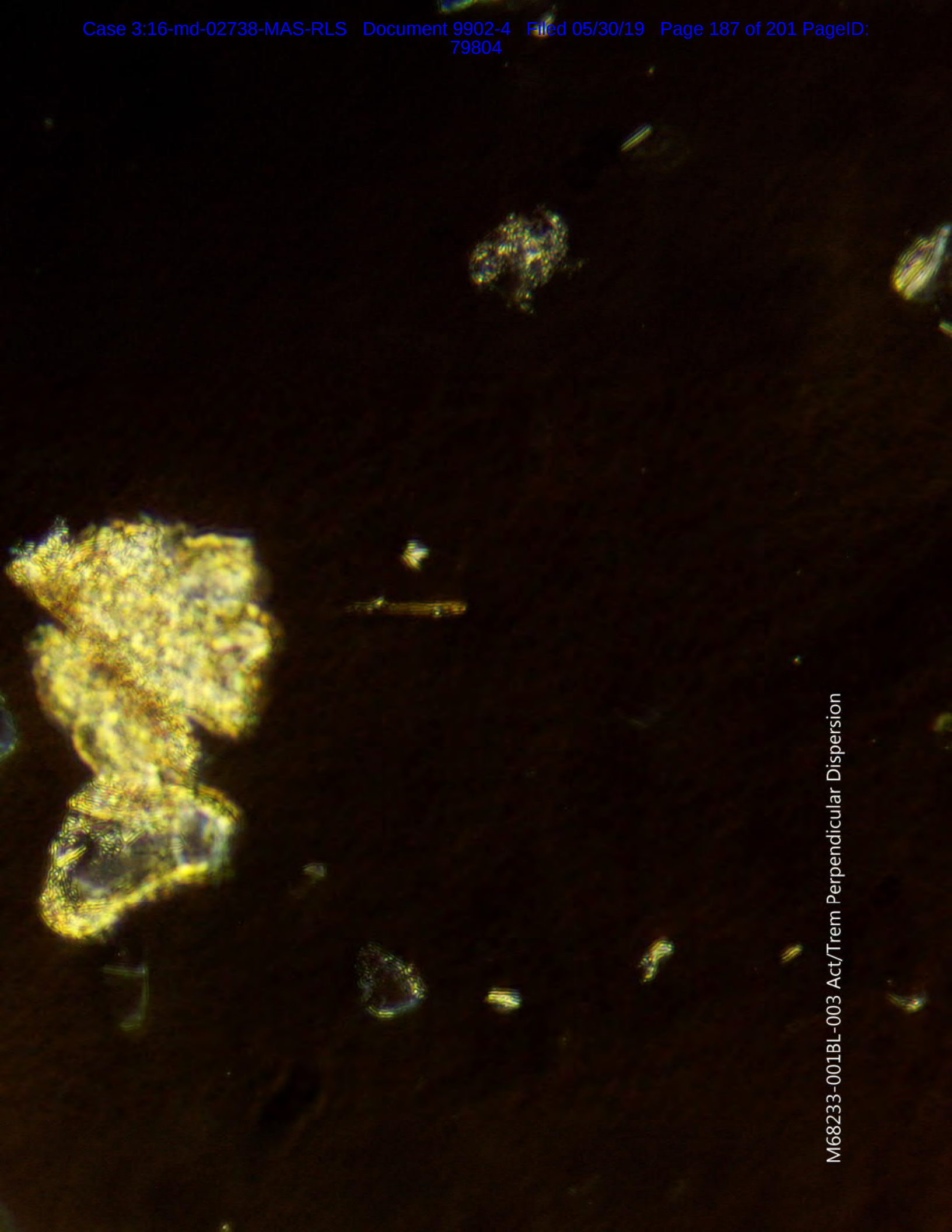
M68233-001BL-002 Act/Trem Elongation @ 200X



M68233-001BL-002 Act/Trem Crossed Polars



M68233-001BL-003 Act/Trem Parallel Dispersion 1.605 R.I. @ 100X



M68233-001BL-003 Act/Trem Perpendicular Dispersion



M68233-001BL-003 Act/Trem Elongation @ 200X



M68233-001BL-003 Act/Trem Crossed Polars

TEM Bulk Talc Structure Count Sheet						
Project/ Sample No.	M68233-001		Grid Box #	8584	No. of Grids Counted	2
Analyst:	Anthony Keeton			Length	Width	G. O. Area
Date of Analysis	2/14/2018		G. O. in microns =	105	105	11025
Initial Weight(g)	0.0252			105	105	11025
Analysis Type	Post Separation Talc Analysis		Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	15%	G.O.s Counted	100
2	Screen Magnification	20 KX	Area Examined mm²			1.103

Str. #	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
	A4-B1							
	B2							
	B3							
	B4							
	B5							
	B6							
	B7							
	B8							
	B9							
	B10							
	C1							
	C2							
	C3							
	C4							
	C5							
	C6							
	C7							
	C8							
	C9							
	C10							
	D1							
	D2							
	D3							
	D4							
	D5							
	D6							
	D7							
	D8							
	D9							
	D10							
	E1							
	E2							
	E3							
	E4							
	E5							
	E6							
	E7							
	E8							
	E9							
	E10							
	F1							
	F2							
	F3							
1	F4	Fiber	Anthophyllite	6.8	0.9	7.6	X	X
	F5							
	F6							
	F7							
	F8							
	F9							
	F10							

TEM Bulk Talc Structure Count Sheet						
Project/ Sample No.	M68233-001		Grid Box #	8584	No. of Grids Counted	2
Analyst:	Anthony Keeton			Length	Width	G. O. Area
Date of Analysis	2/14/2018		G. O. in microns =	105	105	11025
Initial Weight(g)	0.0252			105	105	11025
Analysis Type	Post Separation Talc Analysis		Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	15%	G.O.s Counted	100
2	Screen Magnification	20 KX	Area Examined mm²			1.103

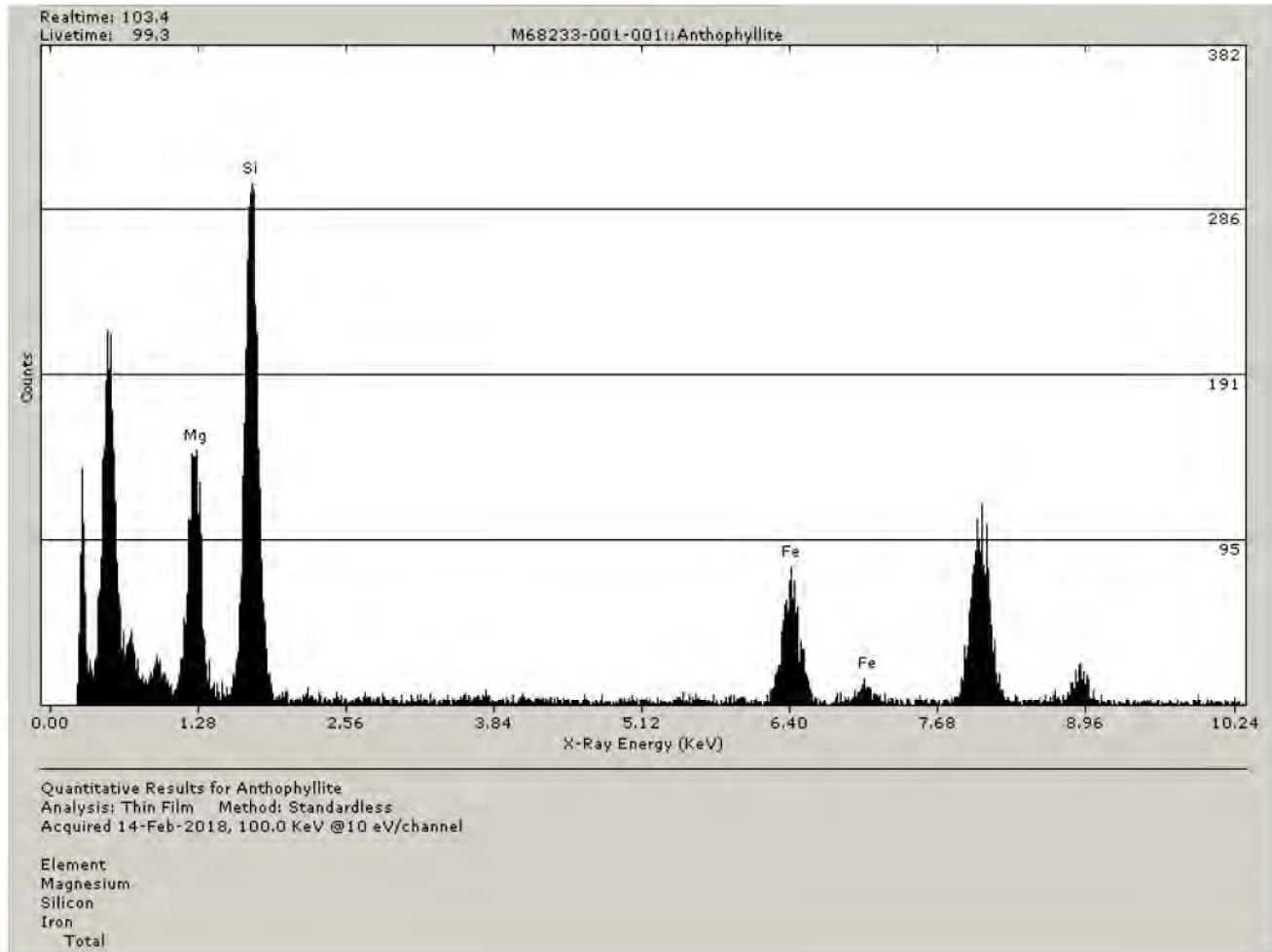
Str. #	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
	B4-B1							
	B2							
	B3							
	B4							
	B5							
	B6							
	B7							
	B8							
	B9							
	B10							
	C1							
	C2							
	C3							
	C4							
	C5							
	C6							
	C7							
	C8							
	C9							
	C10							
	D1							
	D2							
	D3							
	D4							
	D5							
	D6							
	D7							
	D8							
	D9							
	D10							
	G5							
	G6							
	G7							
	G8							
	G9							
	G10							
	H2							
	H3							
	H4							
	H5							
	H6							
	I1							
	I2							
	I3							
	I4							
	I5							
	I6							
	I7							
	I8							
	I9							

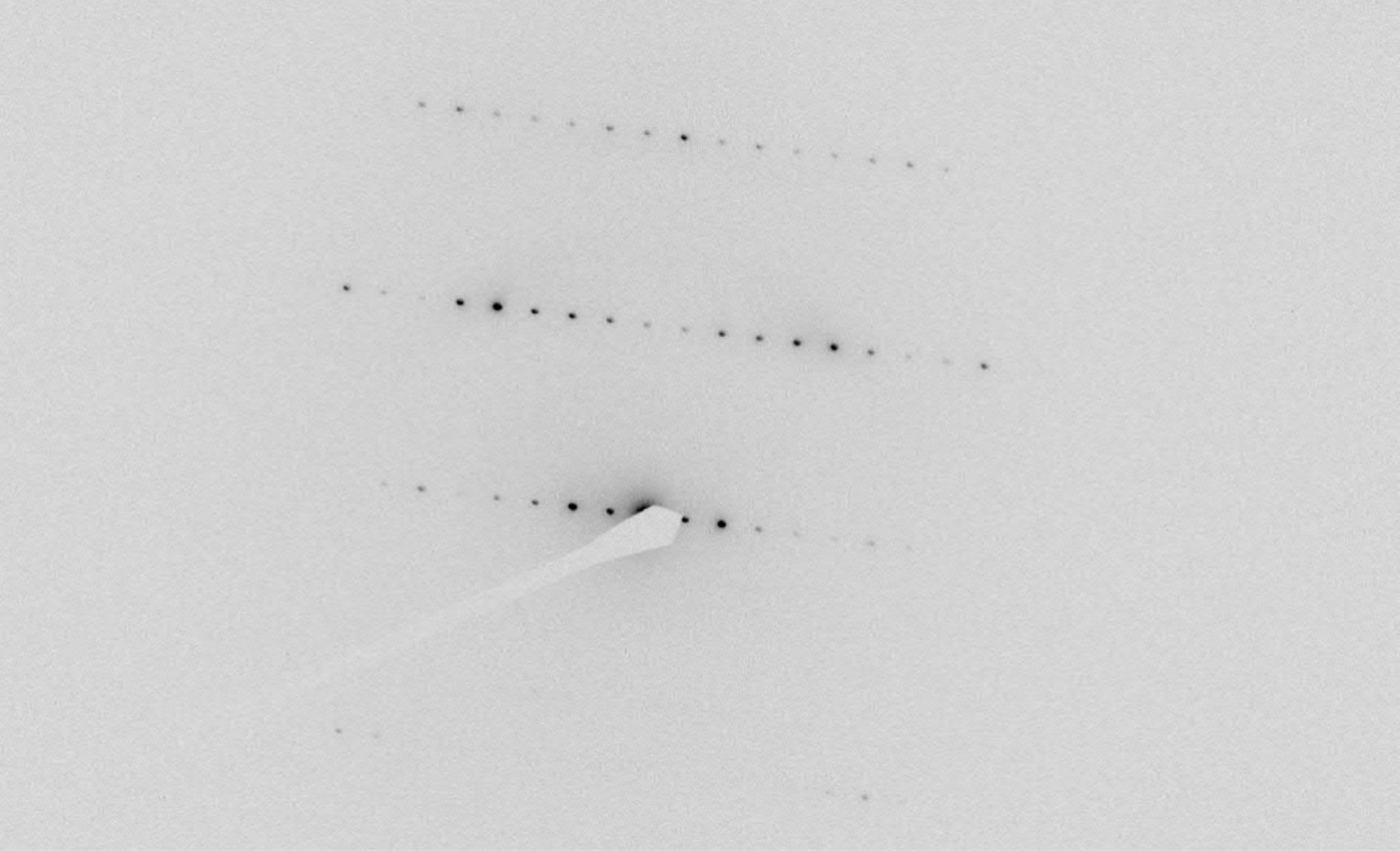
TEM Bulk Talc Structure Count Sheet						
Project/ Sample No.	M68233-001		Grid Box #	8584	No. of Grids Counted	2
Analyst:	Anthony Keeton			Length	Width	G. O. Area
Date of Analysis	2/14/2018		G. O. in microns =	105	105	11025
Initial Weight(g)	0.0252			105	105	11025
Analysis Type	Post Separation Talc Analysis		Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	15%	G.O.s Counted	100
2	Screen Magnification	20 KX	Area Examined mm ²			1.103

Str. #	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
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Org. Sample Wt.	Sample Wt. Post HL Separation	
0.02520	0.02520	g
Percent of Orig. Post Separation	100	(%)
Wt. Of Sample Analyzed	0.00013816	g
Filter size	201.1	mm ²
Number of Structures Counted	1	Str.
Structures per Gram of Sample	7.24E+03	Str./g

Detection Limit	7.24E+03	Str./g
Analytical Sensitivity	7.24E+03	Str./g

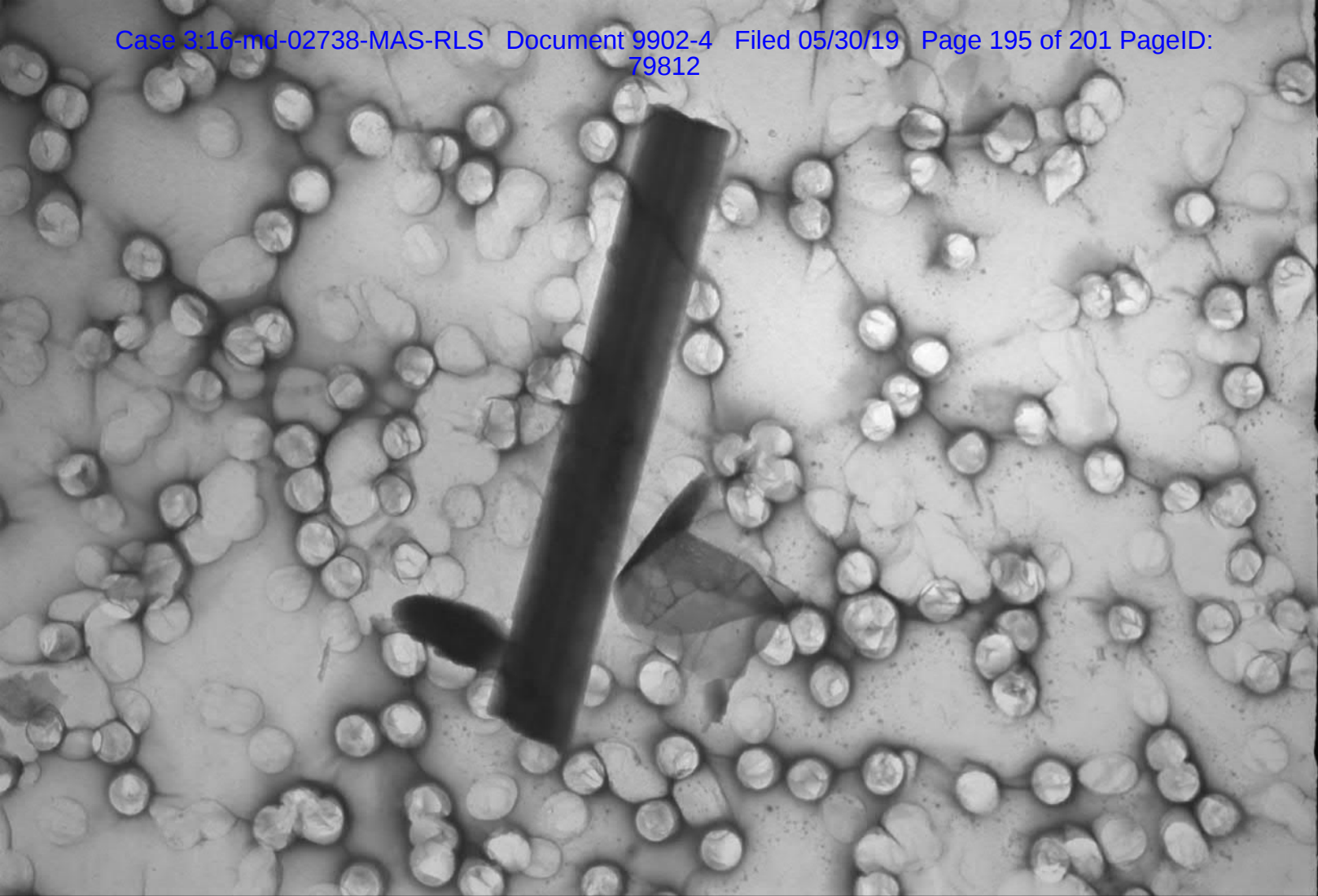




2 2676

M68233-001-001 Anthophyllite Diffraction @ 50cm

2/14/2018



2 2674

M68233-001-001 Anthophyllite Diffraction (6.8 um x 0.9 um)

2/14/2018

TEM Bulk Talc Structure Count Sheet						
Project/ Sample No.	M68233-001		Grid Box #	8584	No. of Grids Counted	2
Analyst:	Anthony Keeton			Length	Width	G.O. Area
Date of Analysis	2/14/2018		G. O. in microns =	105	105	105
Initial Weight(g)	0.02520			105	105	105
Analysis Type	Post Separation Talc Analysis		Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	15%	G.O.s Counted	100
2	Screen Magnification	20 KX	Area Examined mm ²			1.103

Str. #	Grid Opening	Str./Asb. Type	Length	Width	Ratio	SAED	EDS
NSD	A4-B1					No Fibrous Talc Observed	

Section 12

**MAS, LLC
PLM ANALYSIS**

Proj#-Spl# M68233-002 Analyst Paul Hess Date 8/3/2018
 ClientName Lanier Law ClientSpl 002
 Location _____
 Type_Mat Johnson's Baby Powder (JBP084 06A2)
 Gross white powder % of Sample 100
 Visual _____

OPTICAL DATA FOR ASBESTOS IDENTIFICATION

Morphology	straight		
Pleochroism	none		
Refract Index	1.625/1.608		
Sign^	positive		
Extinction	oblique		
Birefringence	moderate		
Melt	no		
Fiber Name	Tremolite/Actinolite		

ASBESTOS MINERALS

EST. VOL. %

Chrysotile.....
 Amosite.....
 Crocidolite.....
 Tremolite/Actinolite..... <0.1
 Anthophyllite.....

OTHER FIBROUS COMPONENTS

Talc -B/Y DS in 1.55 ***

NON FIBROUS COMPONENTS

Opagues X
 Talc X
 Mineral grains X

Binder Description _____

Comments Actinolite/Tremolite asbestos observed. Actinolite/Tremolite cleavage
fragments/particles exhibiting <3-1 length-width ratio observed. *** Trace amount of
fibrous Talc observed. X = Materials detected.

The method detection limit is 1% unless otherwise stated.

**MAS, LLC
PLM ANALYSIS**

Proj#-Spl# M68233-002BL **Analyst** Paul Hess **Date** 8/21/2018
ClientName Lanier Law **ClientSpl** 002
Location _____
Type_Mat Johnson's Baby Powder (JBP084 06A2)
Gross White flakey debris from slide **% of Sample** 100
Visual _____

OPTICAL DATA FOR ASBESTOS IDENTIFICATION

Morphology	<u>straight</u>		
Pleochroism	<u>none</u>		
Refract Index	<u>1.635/1.615</u>		
Sign^	<u>positive</u>		
Extinction	<u>parallel</u>		
Birefringence	<u>low</u>		
Melt	<u>no</u>		
Fiber Name	<u>Anthophyllite</u>		

ASBESTOS MINERALS

EST. VOL. %

Chrysotile.....
Amosite.....
Crocidolite.....
Tremolite/Actinolite.....
Anthophyllite..... < 0.1

OTHER FIBROUS COMPONENTS

Talc -B/Y DS in 1.55 ***

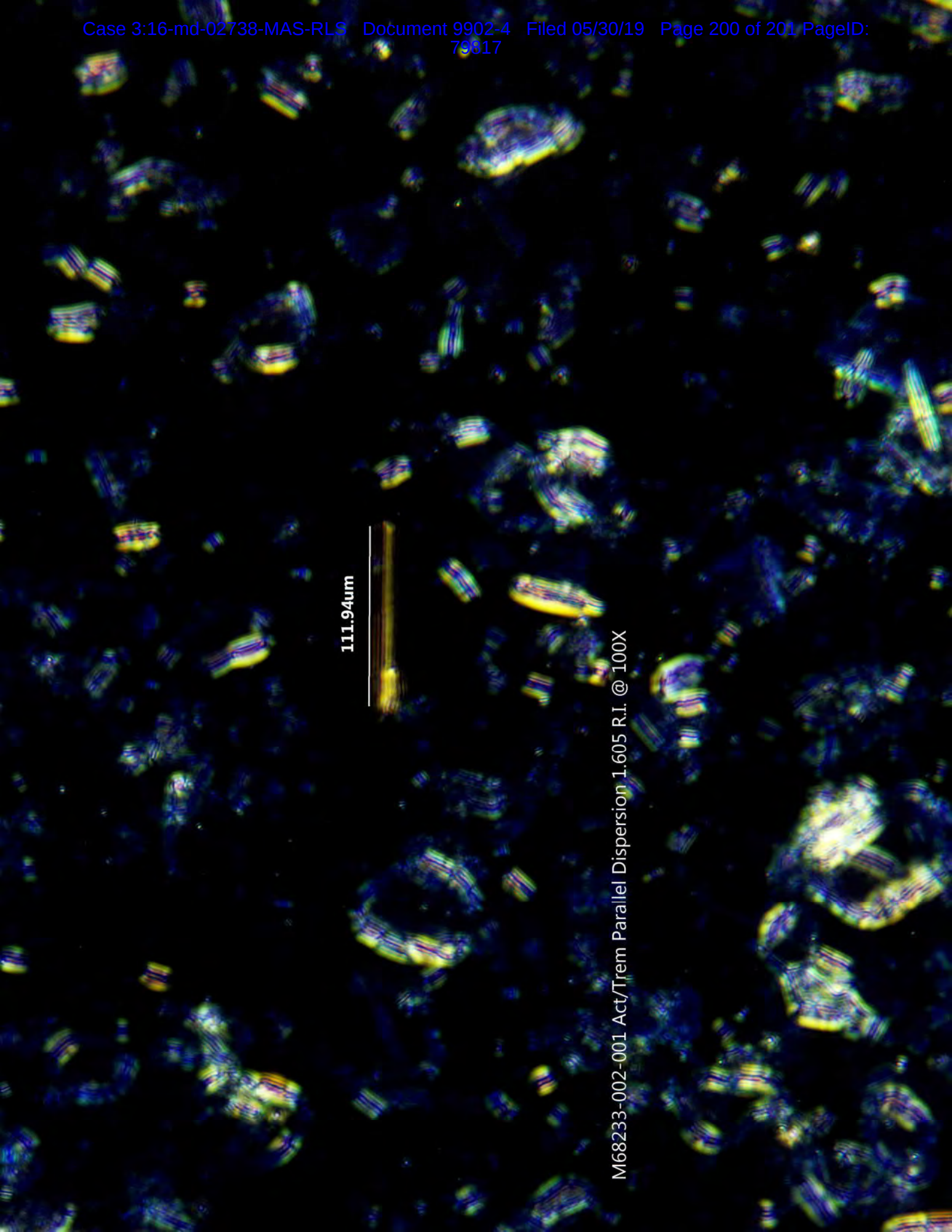
NON FIBROUS COMPONENTS

Opaques X
Talc X
Mineral grains X

Binder Description _____

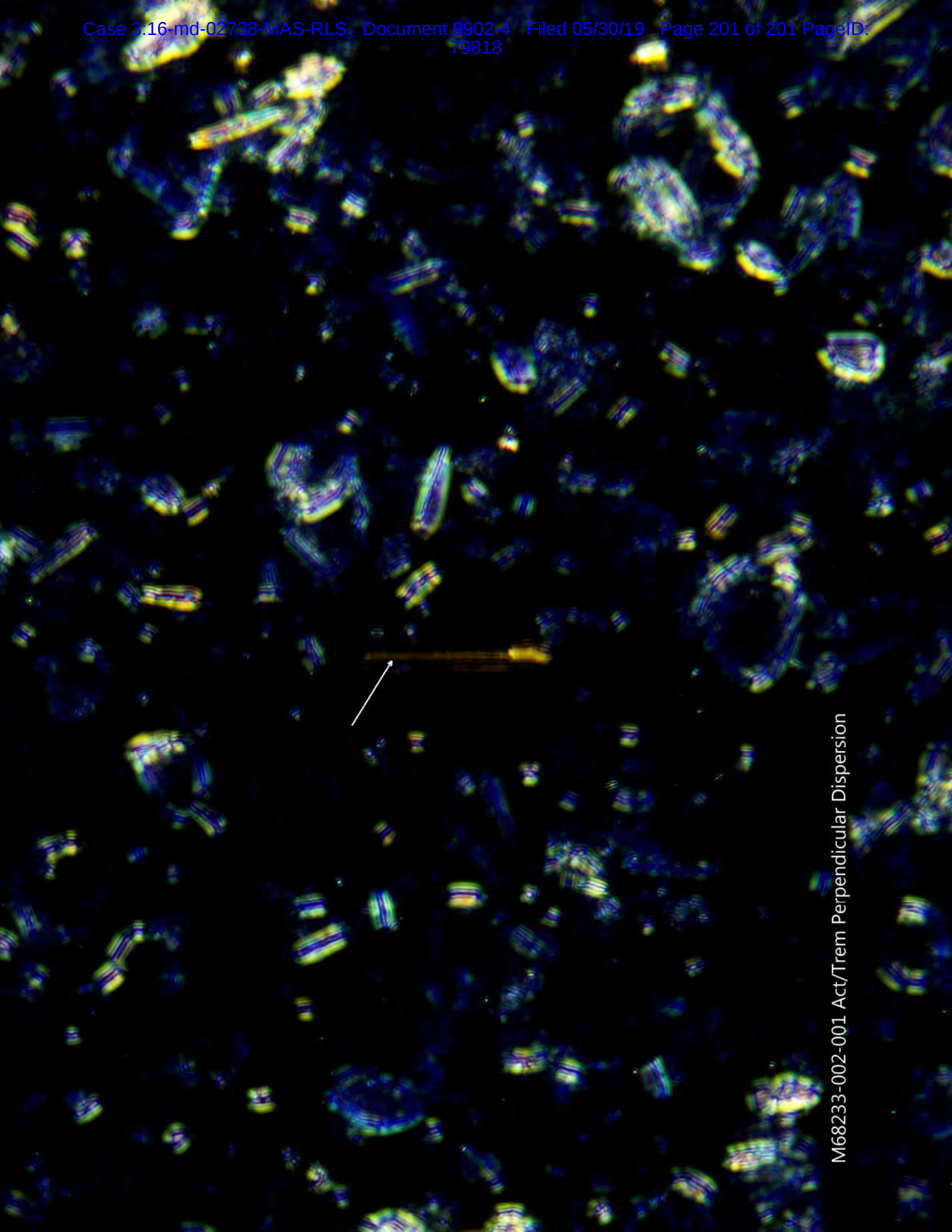
Comments Anthophyllite asbestos observed. Actinolite/Tremolite cleavage fragments/particles exhibiting <3-1 length-width ratio observed. *** Trace amount of fibrous Talc observed. X = Materials detected.

The method detection limit is 1% unless otherwise stated.



111.94um

M68233-002-001 Act/Trem Parallel Dispersion 1.605 R.I. @ 100X



M68233-002-001 Act/Trem Perpendicular Dispersion